

The Institution of Mechanical Engineers.

## LIST OF MEMBERS.

1st MARCH 1911.

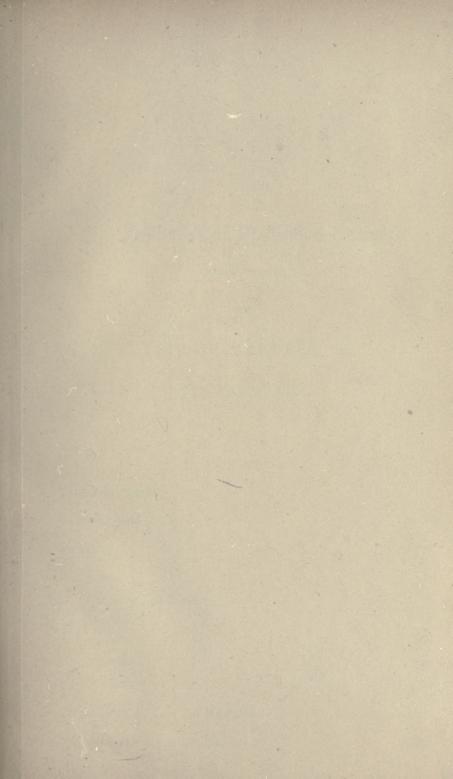
ARTICLES AND BY-LAWS.

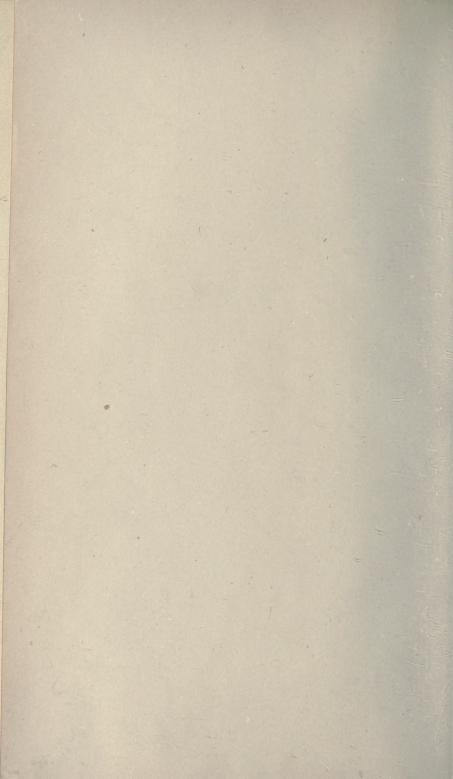


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# The Institution of Mechanical Engineers.

ESTABLISHED 1847.

## LIST OF MEMBERS, &c.

## 1st March 1911.

	COL	ILIN	10.					
PAST-PRESIDENTS								PAG
Officers for 1911 .								
MEMBERS				2.0			4-	-20
Totals		dag.					- 15	4
Honorary Life Membe	rs.						-	
Members					.,(	1.	-	(
Associate Members .				0	4.1	//		100
Associates			. 1	1.9	/	1.1	11.	188
Graduates			. ,	1	1.	11/1	1.	186
TOPOGRAPHICAL LIST OF	Мемя	BERS		!				206

# The Institution of Mechanical Engineers.

### PAST-PRESIDENTS.

GEORGE STEPHENSON, 1847-48. (Deceased 1848.)

ROBERT STEPHENSON, F.R.S., 1849-53. (Deceased 1859.)

SIR WILLIAM FAIRBAIRN, BART., LL.D., F.R.S., 1854-55. (Deceased 1874.)

SIR JOSEPH WHITWORTH, BART., D.C.L., LL.D., F.R.S., 1856-57, 1866. (Deceased 1887.)

John Penn, F.R.S., 1858-59, 1867-68. (Deceased 1878.)

JAMES KENNEDY, 1860. (Deceased 1886.)

THE RIGHT HON. LORD ARMSTRONG, C.B., D.C.L., LL.D., F.R.S., 1861-62, 1869. (Deceased 1900.)

ROBERT NAPIER, 1863-65. (Deceased 1876.)

JOHN RAMSBOTTOM, 1870-71. (Deceased 1897.)

SIR WILLIAM SIEMENS, D.C.L., LL.D., F.R.S., 1872-73. (Deceased 1883.)

SIR FREDERICK J. BRAMWELL, BART., D.C.L., LL.D., F.R.S., 1874-75. (Deceased 1903.)

THOMAS HAWKSLEY, F.R.S., 1876-77. (Deceased 1893.)

JOHN ROBINSON, 1878-79. (Deceased 1902.)

EDWARD A. COWPER, 1880-81. (Deceased 1893.)

PERCY G. B. WESTMACOTT, 1882-83.

SIR LOWTHIAN BELL, BART., LL.D., F.R.S., 1884. (Deceased 1904.)

JEREMIAH HEAD, 1885-86. (Deceased 1899.)

SIR EDWARD H. CARBUTT, BART., 1887-88. (Deceased 1905.)

CHARLES COCHRANE, 1889. (Deceased 1898.)

JOSEPH TOMLINSON, 1890-91. (Deceased 1894.)

SIR WILLIAM ANDERSON, K.C.B., D.C.L., F.R.S., 1892-93. (Deceased 1898.)

SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S., 1894-95.

E. WINDSOR RICHARDS, 1896-97.

SAMUEL WAITE JOHNSON, 1898.

SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S., 1899-1900.

WILLIAM H. MAW, LL.D., 1901-02.

J. HARTLEY WICKSTEED, 1903-04.

EDWARD P. MARTIN, 1905-06. (Deceased 1910.)

T. HURRY RICHES, 1907-08.

JOHN A. F. ASPINALL, 1909-10.

# The Institution of Mechanical Engineers.

## OFFICERS.

## 1911.

PRESIDENT.	
EDWARD B. ELLINGTON,	London.
PAST-PRESIDENTS.	
JOHN A. F. ASPINALL,	Manchester.
SAMUEL WAITE JOHNSON,	Nottingham.
SIR ALEXANDER B. W. KENNEDY, LL.D., F.R.S.,	London.
WILLIAM H. MAW, LL.D.,	London.
E. WINDSOR RICHARDS,	Caerleon.
T. HURRY RICHES,	Cardiff.
PERCY G. B. WESTMACOTT,	Ascot.
SIR WILLIAM H. WHITE, K.C.B., LL.D., D.Sc., F.R.S.,	London.
J. HARTLEY WICKSTEED,	Leeds.
VICE-PRESIDENTS.	
HENRY DAVEY,	Ewell.
H. F. Donaldson, C.B.,	Woolwich.
ARTHUR KEEN,	Birmingham.
SIR WILLIAM T. LEWIS, BART., K.C.V.O.,	Aberdare.
MICHAEL LONGRIDGE,	Manchester.
A. T. TANNETT-WALKER,	Leeds.
MEMBERS OF COUNCIL.	
WILLIAM H. ALLEN,	Bedford.
ARCHIBALD BARR, D.Sc.,	Glasgow.
SIR J. WOLFE BARRY, K.C.B., LL.D., F.R.S.,	London.
George J. Churchward,	Swindon.
DUGALD CLERK, F.R.S.,	London.
SIR ROBERT A. HADFIELD, F.R.S.,	Sheffield.
H. S. Hele-Shaw, LL.D., F.R.S.,	London.
EDWARD HOPKINSON, D.Sc.,	Manchester.
J. Rossiter Hoyle,	Sheffield.
GEORGE HUGHES,	Horwich.
HENRY A. IVATT,	Doncaster.
HENRY LEA,	Birmingham.
ROBERT MATTHEWS,	Manchester.
ENGINEER VICE-ADMIRAL SIR HENRY J. ORAM, K.C.B.,	London.
WILLIAM H. PATCHELL,	London.
	Bath.
	Leeds.
	London.
CAPTAIN H. RIALL SANKEY, R.E., ret.,	
PROFESSOR W. CAWTHORNE UNWIN, LL.D., F.R.S.,	
WILSON WORSDELL,	
HON. TREASURER. AUDIT	

#### SECRETARY.

EDGAR WORTHINGTON,

The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, Westminster, S.W.

ARTHUR HUSON.

ROBERT A. McLEAN, F.C.A.

## TOTALS.

HONORARY	LIFE	MEM	BERS				6
MEMBERS							2,459
ASSOCIATE	Мемн	BERS					2,387
ASSOCIATES	11.00		No.	2,019	19,300		56
GRADUATES						4	647
							5,555

# The Institution of Mechanical Engineers.

ESTABLISHED 1847.

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## LIST OF MEMBERS,

WITH YEARS OF ELECTION AND TRANSFERENCE.

[Telegraphic Address and Telephone No. appended within brackets.]

1st March 1911.

#### HONORARY LIFE MEMBERS.

[Hon. M.I.Mech.E.]

#### Date of Election.

1899.	HIS MOST GRACIOUS MAJESTY KING GEORGE THE FIFTH.
1878.	CRAWFORD AND BALCARRES, The Right Hon. the Earl of, 2 Cavendish Square, W.
1889.	(K.T., LL.D., F.R.S )  EIFFEL, GUSTAVE 1 Rue Rabelais, Paris.  (KENNEDY Sir ALEXANDER (Emeritus Professor of Engineering,
1883.	KENNEDY, Sir ALEXANDER BLACKIE WILLIAM, LL.D., F.R.S
1878.	RAYLEIGH, The Right Hon. Lord, P.C., O.M., D.C.L., LL.D., F.R.S
1896.	UNWIN, Professor WILLIAM Palace Gate Mansions, 29 Palace CAWTHORNE, LL.D., F.R.S. Gate, Kensington, W.

### MEMBERS.

### [M.I.Mech.E.]

1896. A.M.) 1900. M.)	ABADY, JACQUES	Messrs. Alex. Wright and Co., 81 Page St., Westminster, S.W. [Precision, London. Westminster, 337.]
1890.	ABBOTT, ARTHUR HAROLD	(c/o Messrs, Octavius Steel and Co
1902. A.M.) 1906. M.)	ABEL, WALTER ROBERT	Scottish Provident Bldgs., Mosley St., Newcastle-on-Tyne.
1894.	Accles, William Sloane	25 Victoria St., Westminster, S.W. [Niliacus, London. Westminster 486.]
1898. A.M.) 1907. M.)	ACFIELD, WILFRED COSENS	Signal Supt., Mid. Rly., Derby.
1892.	ACLAND, Captain Francis ED WARD DYKE	7 Princes Street, Westminster, S.W. [3617 Victoria.]
		Messrs. Hulse and Co., Ordsal
400	A	Works, Regent Bridge, Salford,
1897.	Adams, Edwin	Manchester; and Moorfield, Pala-
		tine Rd., Withington, Man- chester.
1070	An arm TT	60 Queen Victoria St., E.C.
1876.	ADAMS, HENRY	[Viburnum, London. Bank 6006.]
1902.	ADAMS, JOHN HENRY	Loco. Carr. & Wagon Supt., North
	and, worth armiti	Staffs. Rly., Stoke-on-Trent.
1881.	Adams, William John	Messrs. Adams and Co., 35 Queen
1001,	ADAMS, WILLIAM JOHN	Victoria St., E.C. [Packing, London. Bank 38,]
1900.	Adamson, Charles John	43 Guildford Road, Greenwich, S.E.
		(Messrs. Joseph Adamson and Co.,
1897.	Adamson, Daniel	Hyde. [Adamson, Hyde. Nat. Tel. 13.]
		Messrs. Joseph Adamson and Co.,
1871.	Adamson, Joseph	
1889.	1 C	Waverley Works, Sheffield. [Mill-
1009.	ADDY, GEORGE	ing, Sheffield, 985.
1905.	ADEY, JOHN ATKINS	Laburnum Villa, King St., Dukin-
1903.	ADIE, ALFRED EDMOND	' \ field. . Rajpur Road, Delhi, India.
1908.	ADLAM, EDWIN GEORGE	(Messrs. George Adlam & Sons,
1000.	ADUAH, EDWIN GEORGE .	Bristol.
		(Engin-Chief and Head of Tech-
1887.	AHMED Pasha, Vice-Admiral.	nical Inspecting Commission, Imperial Naval Arsenal, Constantinople.
		( premarino Pro-

1895. A.M.)	00 Granus Glasst Nottingham
1898. M.) AHRONS, ERNEST LEOPOLD	22 Cranmer Street, Nottingham.
1859. {AIREDALE, The Right Hon.} Lord, P.C	Monk Bridge from Works, Leeds.
1902. {Aitken, Charles Henry William	Suptg. Eng., El Varadero de Manila, Ĉañacao, Manila, Philippine Islands.
1900. AITKEN, HUGH WALLACE	147 Bath St., Glasgow. [Sugar- cane, Glasgow.]
1900. AITON, JOHN ARTHUR	Messrs. Aiton & Co., Derby. [Chan- neled, Derby. 525 Derby.]
1909. {AKROYD-STUART, CHARLES HENRY	Messrs. Saunders and Stuart, Melbourne Road, Perth, W. Australia.
1901. AKROYD-STUART, HERBERT	Akroyd Buildings, Melbourne Rd., Perth, W. Australia.
1898. G. 1900. A.M. 1908. M. ALDERSON, CHARLES ALBERT HESELTON	Messrs. Allen, Alderson & Co., Gracechurch St., Alexandria, Egypt; and Cliff House, Bul- keley, Ramleh, Egypt.
1890. G. 1896. A.M. 1908. M. ALDERSON, GEORGE ALEX-	Messrs. Allen, Alderson & Co., Alex- andria, Egypt; and The Cloisters, Bulkeley, Ramleh, Egypt.
1885. ALDERSON, GEORGE BEETON	Messrs. Allen, Alderson and Co., Alexandria, Egypt; and Norland House, Ramleh, Egypt.
1875. ALLAN, GEORGE	136 Fairholm Rd., Newcastle-on-
1885. G.) ALLCARD, HARRY	Messrs. Easterbrook, Allcard and Co., 9-11 Fenchurch Avenue, E.C.
1874. G. ALLEN, FRANCIS	Cockley Cley Hall, Swaffham.
1902. A.M.) ALLEN, HAROLD GWYNNE	Queen's Engineering Works, Bedford.
1891. ALLEN, MARCUS	Manchester Chbrs., 46 Market St., Manchester. [Regulus, Man-
the state of the s	chester. 5 Central.]  Castner-Kellner Alkali Co., Weston
1881. ALLEN, PERCY RUSKIN	Point, Runcorn; and Ferncliffe, Higher Runcorn, Cheshire.
1900. ALLEN, RICHARD WILLIAM	Queen's Engineering Works, Bedford.
1885. (ALLEN, WILLIAM HENRY (Member of Council)	Queen's Engineering Works, Bedford. [Pump, Bedford.]
1882. ALLEN, WILLIAM MILWARD	(297 Upper Brook St., Victoria Park, Manchester.
1899. ALLEY, STEPHEN EVANS	Sentinel Works, Polmadie Rd., Glasgow. [Alley, Glasgow. Royal 673.]
1865. {Alleyne, Sir John Gay Newton, Bart}	Chevin, Belper.
1907. ALLISON, OSWALD	Beldon's Chambers, Market Sq., Port Elizabeth, Cape Colony.
1871. Allport, Howard Aston	Dodworth Grove, Barnsley.
1894. A.M.) AMBLER, FRANK	Genl. Manager, Brazil G.S. Rly., Uruguayana, Brazil. Vid Monte Video.

Date of Election	
and of Transfer.	
1902. A.M. AMBLER, RATCLIFF VINCENT	Messrs. Gibbs and Co., Antofagasta, Chile.
1904. Ames, Richard	Municipal and County Club, White- hall Court, S.W.
1903. Amor, Walter	Manager, Ammunition Factory, Kirkee, India.
1885. G.) Amos, Ewart Charles	3 Laurence Pountney Hill, Cannon St., E.C. [Drilling, London. Bank 5438.]
1880. G. ANDERSON, EDWARD WILLIAM M.	Lesney, Warwick Rd., Solihull, Birmingham.
1902. Anderson, Harry	Chief Eng., Swanscombe Works, Swanscombe, Greenhithe, S.O., Kent.
1890. Anderson, Herbert William	S.W. Laboratory, 43 St. James' Rd., Kingston-on-Thames.
1904. A.M. ANDERSON, JAMES KEITH	Messrs. Urquhart Lindsay & Co., Blackness Foundry, Dundee.
1905. Anderson, John	Canterbury Foundry, Christchurch, N.Z.
1901. Anderson, John Reid	13 Charles Street, St. James's, S.W.
1892. Anderson, John Wemyss	The University, Liverpool. (Signal Engineer, Engineer's Dept.,
1902. Anderson, Percy	Cape Govt. Railways, Salt River, Cape Colony.
1899. {Andrew, Eng. Commander George Edward, R.N	(c/o John M. Spink, 17 and 18 Piccadilly, W.
JANDREWS, GEORGE SAMUEL	(Town Engineer, Municipal Offices,
BURT	Johannesburg, Transvaal. (Messrs. Harland and Wolff, Belfast;
1902. Andrews, Thomas	and Dunallan, Windsor Avenue, Belfast.
1903. Angas, Alfred Spelman	Manager, Royal Gun and Carriage Factories, Woolwich; and The Nyth, Blackheath Park, S.E.
1905. Anstey, Henry Charles	Inspeccion General de Maquinas, Arsenales de Marina, Valparaiso, Chile.
1906. Anthony, Charles, Jun	Casilla de Correo 149, Bahia Blanca F.C.S., Buenos Aires, Arg. Rep.
1899. APPLEBY, GEORGE WILLIAM	Inspector of Machinery, Imperial Maritime Customs, Shanghai, China.
1883. G. APPLEBY, PERCY VAVASSEUR	Hilleroft, Red Hill.
1874. ABAMBURU Y SILVA, FERNANDO	San Marcos 26 tripo., Madrid. (Sir W. G. Armstrong, Whitworth
1903. Arkwright, Bernard George	&Co., Elswick Works, Newcastle- on-Tyne.
1882. ARMER, JAMES	10 Eastcheap, E.C.
1902. ARMES, BENJAMIN STEPHEN	78 Shirley Street, Canning Town, E. Messrs. D. Rollo & Sons, Fulton
1905. M. Armistead, Thomas Webster	Engine Works, Liverpool.
1894. Armour, James Glencairn	Queen Insurance Bldgs., 13 Castle St., Liverpool. [Area, Liverpool. 2413.]
1876. Armstrong, William	Elmfield Lodge, Gosforth, New-castle-on-Tyne.

Date	of	El	ection
and .	of 7	Tra	nsfer.

and of Transfer.		
1870.	ARMSTRONG, WILLIAM IRVING	17 North Bridge St., Sunderland.
1903. A.M.) 1910. M.	ABMYTAGE, JOHN HAWKSWORTH	(Board of Trade Trafalgar Bldgs
1897. A.M.)		
1900. M.)	ARNOLD, WILLIAM	17 Park Road, Harlesden, N.W.
1902.	ARNOT, ARTHUR JAMES	(Babcock and Wilcox Co., 427 and 429 Sussex Street, Sydney, N.S.W.
1894.	ARNOT, WILLIAM	163 Hope St., Glasgow. [Induction, Glasgow. 638 Argyle.]
1887.	ARROL, Sir WILLIAM, LL.D.	Dalmarnock Iron Works, Glasgow.
1887.	ARTEAGA, ALBERTO DE	Juncal 1367, Buenos Aires, Arg. Rep. (Newark Boiler Works, Newark; and
1902.	ASBURY, GEORGE ELIAS	11 The Park, Newark. [Asbury, Newark.]
1901.	ASH, ALFRED ELLIS	Vauxhall House, Luton.
1873.	ASHBURY, THOMAS (Life Member)	Ash Grove, Victoria Park, Long- sight, Manchester. [Aluminium, Manchester.]
1888.	Ashby, George	Messrs. N. Wadia & Sons, Home Street, Fort, Bombay.
1895.	Ashcroft, Andrew George	Central Technical College, Exhibition Rd., S.W.; and 95 Twyford Avenue, Acton, W.
1907. A.M. 1910. M.	Ashdown, Jabez William	Messrs. Wm. Weeks & Son, Perseverance Iron Works, Waterside, Maidstone.
1889. G. 1896. A.M. 1901. M.	Ashford, John	Central Workshops, Amritsar, Punjaub, India.
1903.	ASHLEY, HERBERT	Engineer, Water Works Co., Commercial Rd., Portsmouth.
1891.	Ashworth, Henry	Brynderwen, Bwlch, R.S.O., Breconshire.
1907.	Ashworth, John Dawson	Eng. and Genl. Manager, Portsea Island Gas Light Co., Flathouse, Portsmouth.
1902. A.M.) 1910. M.)	Aspin, John	Messrs. J. and P. Coats, 50 Both- well St., Glasgow.
1881.	ASPINALL, JOHN AUDLEY FREDERICK (Past-President)	Genl. Manager, L. and Y. Ry., Hunt's Bank, Manchester; and Gledhill, Mossley Hill Drive, Liverpool.
1902.	ASTBURY, ALBERT JAMES	The Cottage, Barnt Green, near Birmingham.
1890.	ASTON, JOHN W	Messrs. Belliss and Morcom,
1899.	ATHERTON, THOMAS	Ledsam St., Birmingham. Dallam Forge, Warrington; and
1901. A.M.) 1905. M.)	ATHERTON, WILLIAM HENRY	The Plantation, 101 Whitaker
1889.	ATKINSON, ALEXANDER	Rd., Derby. Lahore, Punjaub, India.
1896. A.M. 1904. M.	ATKINSON, FREDERIC	Albert Bldgs., 49 Queen Victoria
1898. A.M.)	AMERICAN HONO	St., E.C. [Fixed, London.]
1904. M.	ATKINSON, HENRY	78 Queen Victoria Street, E.C.
1892.	ATKINSON, JAMES	Glenburn, Mellor, Stockport.

		Messrs. Ashwell and Nesbit, Great
1897. A.M.)		Central St., Leicester; and Mor-
1902. M.	ATKINSON, ROBERT ERNEST	land Avenue, Knighton, Leicester.
1002. 111.)		
		[Plenum, Leicester. 190.]
1009	American Thomas American	(Messrs. L. Lumley and Co.,
1903.	ATTACK, EDWARD ARTHUR	1 America Square, E.C.
		(Foster St., Stourbridge; and Hag-
1000		
1898.	ATTWOOD, JABEZ	ley Rd., Stourbridge. [Attwoods,
		Stourbridge.
		Director of Public Works, Belize,
1903.	AULD, JAMES PATON	British Honduras.
	·	
1892.	AULT, EDWIN	147 Victoria Street, Westminster,
1032.	AULI, EDWIN	S.W.
		c/o Messrs. Grindlay and Co., Calcutta.
1905.	AUSTIN, EDMUND GEORGE	Colombia Ciliana
		Calcutta.
		(Genl. Manager, British Engineer-
1892.	AUSTIN, JAMES MEREDITH	ing Co. of Egypt, 10 Sharia
		Zervudachi, Cairo, Egypt.
1004 A 3/ \		
1894. A.M.	AVELINE, WILLIAM REBOTIER	Asiatic Petroleum Co., 24 and 28
1898. M.	arthuriting transmissant remportant	St. Mary Axe, E.C.
1000	. m . T	(Messrs. Aveling and Porter, Roches-
1882.	AVELING, THOMAS LAKE	ter. [Aveling, Rochester.]
1899.	AWDRY, WALTER LLEWELLYN	33 Union St., Birmingham.
20001	arithmetal it managed addition it managed it	[1806.]

1897. A		Devon and Cornwall Ice and Cold
1900.	M. PRIÈRE	Storage Co., Plymouth.
		(Executive Eng., P. W. D., India:
1909.	BADER, FREDERICK ROBERT	c/o Messrs. King, King & Co.,
		Fort, Bombay.
1905.	(BAGNALL-WILD, Capt. RALPH)	901 Mottonham Court Dd W
1300.	( KIRKBY, R.E)	221 Tottenham Court Rd., W.
	· · · · · · · · · · · · · · · · · · ·	(Manager, Motor Dept., Birmingham
1899.	BAGULEY, ERNEST EDWIN	Small Arms Co., Sparkbrook,
		Birmingham.
		Albion Works, Salford, Manchester
1885.	BAILEY, Sir WILLIAM HENRY	Beacon, Salford.]; and Sale
	·	Hall, Cheshire.
		65-67 Prudential Buildings, Park
1901.	BAILIE, JOHN DAVID	Row, Leeds. [Turbo, Leeds.
	,	1194.]
1902.	Direct Direct	Carr. and Wagon Supt., Mid. Rly.,
1902.	Bain, David	Derby.
1890.	Disse Cooper	The Gables, Norton Road, Letch-
1090.	Bain, George	worth, Herts.
		40 St. Enoch Sq., Glasgow; and
1880.	Darm Warrang Maron	(40 St. Enoch Sq., Glasgow; and Collingwood, 7 Aytoun Rd., Pollokshields, Glasgow. [Glacis,
1000.	BAIN, WILLIAM NEISH	Pollokshields, Glasgow. [Glacis,
		Glasgow.]

1869. G.) 1890. M.)	Bainbridge, Emerson	47 Upper Grosvenor St., W.
1902.	BAIRD, DAVID GEORGE	Talbot Engineering Works, Talbot Place, Dublin. [995.]
1898.	Baister, Charles	Divl. Loco. Supt., N.E. Railway, Darlington.
1897.	Baker, George Samuel	Messrs. Joseph Baker & Sons, Willesden Junction, N.W. [Bakers, London. 3 Harlesden.]
1904.	Baker, Joseph Allen, M.P.	Messrs. Joseph Baker & Sons, Willesden Junction, N.W. [Bakers, London. 3 Harlesden.] [Messrs. Kendall & Gent, Victoria
1894.	BALDWIN, ARTHUR HUGH	Works, Belle Vue, Manchester. [Tools, Manchester. 5147.]
1901. A.M.) 1905. M.	Bale, John Henry Fooks	32 Caddington Road, Cricklewood, N.W.
1877. 1897.	BALE, MANFRED POWIS BALKWILL, ALFRED JOHN (BALL, Eng. Commander RALPH	21 Marlborough Rd., Chiswick, W. Ouseburn, Brayton Rd., Selby. (H.M.S. "Lord Nelson," c/o Post-
1908.	HILL CODRINGTON, R.N	master General, E.C.
1897. A.M.) 1903. M.)	BAMBER, HERBERT WILLIAM	25 Ryder St., St. James's, S.W.
1898.	Bamford, Robert George	(c/o Mercantile Bank of India, P.O. No. 11, Madras.
1887.	BAMLETT, ADAM CARLISLE	Agricultural Engineering Works, Thirsk.
1898.	Bancroft, Francis James	Barnet District Gas and Water Co., New Barnet.
1901.	Banister, Alan Neville	British Motor Cab Co., 111 Gros- venor Rd., Pimlico, S.W.
1892.	Banister, George Henry	Ordnance Dept., Messrs. Vickers, Sons & Maxim, Barrow-in- Furness.
1901.	Barber, John Watkins	S.E. & C. Rly., Longhedge Works, Battersea Park, S.W.
1898. A.M.) 1902. M.)	BARBER, THOMAS WALTER	24 Avenue Road, South Norwood, S.E.
1903.	Barclay, Andrew Walker	Genl. Manager, Messrs. Gibb & Hogg, Victoria Engine Works, Airdrie.
1910.	BARDILL, WILLIAM	St. Peter's Gate, Nottingham.
1888. G.		(Loco. Supt., Sierra Leone Govt.
1893. A.M. 1896. M.	BARKER, ERIC GORDON	Rly., P.O. Box 96, Freetown, Sierra Leone.
1899.	BARKER, GERALD	Greyroofs, Malvern.
1906. A.M.	BARKER TOWN HENDY	290 Granville Rd., Sheffield.
1910. M.,	BARKER, MATTHEW WILSON	Glyncoed, Laurie Park Rd., Syden-
1000 A 34		ham, S.E. (Managing Director, Messrs. Thomas
1899. A.M. 1903. M.	BARKER, THOMAS PERRONET	Piggott and Co., Spring Hill, Birmingham.
1885.	BARKER, T. BIRKETT	Lapworth Croft, Warwickshire.
1900.	BARMAN, HARRY DRUMMOND DAWSON	Airdrie, 6.7
1904.	Barnes, Charles	42 Leslie St., Pollokshields, Glasgow.

Date	0	f Election
and o	of	Transfer.

1891.	Barnes, John Edward Lloyd	34 Castle St., Liverpool. [Technical, Liverpool. 6080.]
1884.	BARR, Professor ARCHIBALD, D.Sc. (Member of Council)	Mho II-iit Gi
1907.	BARRACLOUGH, Prof. SAMUEL	(Russell School of Engineering, The
1887.	HENRY	University, Sydney, N.S.W. 78 Gracechurch St., E.C.
1862.	BARROW, JOSEPH (Life Member)	Disley Mount, Carew Rd., North-
1901. A.M.)	Barrow, Louis	wood, S.O., Middlesex. Messrs. Cadbury Brothers, Bourn-
1904. M.		ville, Birmingham.
1871.	BARRY, Sir John Wolfe, K.O.B., LL.D., F.R.S. (Member of Council)	Dartmouth House, 2 Queen Anne's Gate, Westminster, S.W. [Con- silium, London. Westminster 248.]
1883.	BARTLETT, JAMES HERBERT	Middlesbrough, Kentucky, United States.
1897. G.) 1901. A.M.)	BARTLEY, BRYAN COLE	Jumpers Deep, Rand Mines, Johannesburg, Transvaal: (or 57
1910. M.	DARTHEI, DRIAN COLE	Victoria St., S.W.)
1900. A.M.) 1904. M.)	BARTY, ALEXANDER DOUGLAS	19 Argyle Square, W.C.
1899.	BASHFORTH, ANDREW	Broomfield, Broom Lane, Rother-ham.
1887.	BATE, Colonel CHARLES McGuire, R.E., ret	Freelands, Kingwood Common, Henley-on-Thames.
1896.	BATEMAN, JAMES THOMAS	34 Bridge Avenue, Hammer-
		works Manager, Messrs. Hulse &
1903. A.M.) 1906. M.)	BATES, HERBERT	Co., Ordsal Works, Regent Bridge, Salford, Manchester; and 25 Eccles Old Rd., Pendleton, Man- chester.
1904.	BAXTER, GEORGE HANDYSIDE	Clyde Navigation Trust, 16 Robert- son St., Glasgow.
		Copland Works, Govan, Glasgow.
1892.	BAXTER, PETER MACLEOD	Govan; Corpn. 87 Govan;
		Private 628 Hillhead.]
1899.	BAYLEY, GEORGE RIDLEY	Res. Eng. and Manager, Liverpool Hydraulic Power Co., 123 Athol St., Liverpool, N.
1872.	Bayliss, Thomas Richard	Belmont, Northfield, Birmingham.
1903.	Bayliss, William	The Grove, Currier Lane, Ashton- under-Lyne.
1899.	Beale, Bertram Robert	82 Victoria St., Westminster, S.W.
1901. A.M.) 1909. M.	BEAR, MAURICE MAYHEW	Messrs. Babcock & Wilcox, Wheeler's Building, Hornby Road, Fort,
,		Bombay. (London County Council, Spring
1898.	BEARD, ARTHUR CHARLES	Gardens, S.W.
1895.	Beard, Bernard	Messrs. Beard, Huddart & Co., Victoria Buildings, Stockton-on-
100	-	Tees.   Parkhead Forge and Steel Works,
1887.	BEARDMORE, WILLIAM	Glasgow.
1893.	BEARE, Professor THOMAS HUDSON, F.R.S.E	The University, Edinburgh.

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1891.	{Beatty, Hazlitt Michael, C.M.G	Chief Loco. Supt., Govt. Rlys., Cape Town; and Rosclare Camp Ground, Rondebosch, Cape Town, Cape Colony.
1899.	BEAUMONT, Professor ROBERTS, M.Sc	The University, Leeds.
1880.	BEAUMONT, WILLIAM WORBY	Outer Temple, 222 Strand, W.C. [Vibromotor, London. Gerrard 4160.]
1902. 1910.	A.M.) BEAVER, JOHN ROBERT	Post Box 1198, Valparaiso, Chile.
1908.	BECHER, ROBERT ARNOLDS	Madras and S. Mahratta and W. of India Portuguese Rlys., Mormugáo, Goa, India.
1905.	BECK, ARTHUR EDWARD	The High House, King's Norton, Birmingham.
1859.	BECK, EDWARD (Life Member)	Heddon House, Isleworth.
1873. 1882.	Beck, William Henry Bedson, Joseph Phillips	115 Cannon St., E.C. 137 Lapwing Lane, Didsbury, Man-
	A.M. BEGBIE, SYDNEY DAWSON	Aster Engineering Co., Wembley, S.O., Middlesex.
1903.	Begbie, Thomas, Sen	P.O. Box 192, Middelburg, Trans- vaal.
1901.	Behr, Hans Charles	Consol. Gold Fields of S. Africa, P.O. Box 1167, Johannesburg, Transvaal.
1888.	Beldam, Asplan	93-94 Gracechurch St., E.C.; and Elmwood Manor, Baldock, Herts.
1908.	Béliard, Henri Jean Pierre	Messrs. Béliard, Crighton & Co., Antwerp, Belgium.
1902.	Bell, Arthur Morton	Carr. and Wagon Supt., G.I.P.Rly., Bombay.
1900.	A.M.) BELL, CHARLES SEVER	26 Suffolk Street, Pall Mall, S.W.
1897.	BELL, Major Charles Thorn-	Supt., Gun and Shell Factory, Cossipore, India.
1901. 1906.		Electrical and Tramway Eng., Corpn. Electricity Works, Mill- burn St., Aberdeen.
1907.	Bell, John Ferguson	Engineer, Derby Gas Light and Coke Co., Friar Gate, Derby.
1897.	BELLAMY, ALFRED ROWE	Messrs. Richard Hornsby and Sons, Grantham.
1903.	BELLAMY, CHARLES VINCENT	Lagos, West Africa.
1897.	Belliss, John	Messrs. Belliss & Morcom, Ledsam St., Birmingham [Belliss, Birm- ingham.]; and 13 Carpenter Rd.,
1995.	Benn, Sykes	Edgbaston, Birmingham. Messrs. S. S. Stott & Co., Haslingden, Manchester. [Elevator, Haslingden. 103.]
1902.	BENNETT, ARTHUR EDWARD	Atlas Works, Coventry; and Redlands, Toller Rd., Leicester. [Profile, Coventry. 221.]
1900.	Bennie, Peter	Agencia de Tharsis, Huelva, Spain.

1895.	Bennion, Charles	Union Works, Leicester; and Thurnby Grange, Thurnby, Leicester. [Prominent, Leicester.
1895. A.M.) 1899. M.)	DENNIS, ALFRED WILLIAM	(108.] Rockbank, Half Edge Lane, Eccles. [66 Eccles.] (Renishaw Iron Works, Chester-
1907.	Benson, William Haigh	field. (Manager, Lowca Engineering Co.,
1907.	BENTLEY, HARRY	Whitehaven.
1896. A. 1897. A.M. 1900. M.	BENTLEY, WALLACE	Royal Insurance Bldgs., Crossley St., Halifax; and Hyde Park, Halifax.
1903.	Benton, Walford John	1 Chestnut Avenue, Hyde Park, Leeds.
1895.	BERCHEM, ALPHONSE HENRY	Worthington Pump Co., 153 Queen Victoria St., E.C.
1902. A.M.) 1905. M.)		Bank Buildings, Wolverhampton.
1905. A.M.) 1910. M.)		(c/o A. Taylor, 216 Abbeyfield Rd., Pitsmoor, Sheffield.
1893.	BERRY, HENRY	Croydon Works, Leeds.
1903. A.M.) 1910. M.)	BERRY, HERBERT	(c/o Baron L. Knoop, Machinery Dept., Moscow, Russia.
1897.	BERTHIEZ, CHARLES	Dept., Moscow, Russia.  Villenstrasse, Neudorf, Strass-
1891.		burg, Alsace, Germany.   Sion Cottage, Riverside, Twicken-
	BEST, FRANCIS EDWARD (BESWICK, FREDERICK ARROW-	ham. (M. S. U. Assoen., 9 Mount St.,
1899.	( SMITH	Manchester.
1906. A.M. 1910. M.		Messrs. Vickers, Sons and Maxim, Erith, S.O., Kent.
1893.	BETTS, SAMUEL	Danderyd, Sweden.
1899. A.M. 1901. M.		Messrs. Harrington Morrison and Co., Iquique, Chile.
1903.	BICKERTON, HENRY NIELD	Managing Director, National Gas Engine Co., Ashton-under- Lyne.
1885.	BICKNELL, ARTHUR CHANNING	198 Blythe Road, West Kensington, W.
1898. 1899.	BILBIE, JOHN BILES, Prof. John Harvard	106 Queen Victoria Street, E.C. The University, Glasgow.
1897.	BILLETOP, TORBEN CHRISTIAN	(Messrs. Henry Watson and Son, High Bridge Works, Newcastle- on-Tyne.
1909.	BILLINGTON, JOHN ROBERT	Gas Manager, Lancs. and Yorks. Rly., Horwich, Lancs.
1904. A.M. 1909. M.	BING, HERBERT	Consolidated Pneumatic Tool Co., Fraserburgh.
1887.	BINNIE, Sir ALEXANDER RICHARDSON	St. Stephen's House, Victoria Embankment, Westminster, S.W.
1903. A.M. 1906. M.	BINNS, WALTER	Corpn. Tramways, Mill Lane, Reading.
1891.	Bird, George	Messrs. James Bartle and Co., Western Iron Works, Notting Hill, W.
1897.	BIRD, WILLIAM HOBART	Grey Friars Green, Coventry.

Date	e of	El	ection
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O. A.	THIDAUS !	
1880. 1894.	G.) Birkett, Herbert	Bank Chbrs., 197 Edgware Rd., W. [Frigerabat, London.]
1908.	BISHOP, WILLIAM GEORGE	Asst. Supt. (Mech.), S. African Rlys., P.O. Box 40, Port Eliza- beth, Cape Colony.
1903.	Björnstad, Jörgen	Toots Farm, Caversham Heights, Reading.
1896.	BLACK, PETER BLAIR	[185 Palmerston Bldgs., Old Broad St., E.C. [Blackness, London.]
1891.	Blackburn, George William	Messrs. T. Green and Son, Smith- field Iron Works, Leeds.
1890.	Blackburn, John	Resident Eng., Colne Valley Water Works, Bushey, Watford.
1904.	BLACKITH, FREDERICK	Imperial Chbrs., Bowlalley Lane, Hull.
1907.	BLACKMAN, ALFRED SUTHER-	(Boro' Electrical Eng., Town Hall, Sunderland.
1898.	BLACKSTONE, EDWARD CHRISTOPHER	(Managing Director, Rutland Engineering Works, Stamford. [Blackstones, Stamford.]
1902. 1904.	A.M.) BLAGDEN, HENRY ROBERT	Manager, Alexandria Water Co., Alexandria, Egypt. (Messrs. Richardson & Blair, 11
1908.	BLAIR, DAVID KER	Grey St., Wellington, New Zealand.
1901.	Blake, Matthew	(Victoria Works, Greenock. [Filter, Greenock. 130.]
1907.	BLAKEY, CHARLES	Managing Director, Messrs. M. Helfferich-Sadet, Charkow, South Russia.
1905.	Blakey, Robert Cope	Messrs. Clayton and Shuttleworth, III/2 Löwengasse 34, Vienna, Austria.
1901.	Bland, Frederick	Manager, Yorks. Steel and Engineering Works, Sheffield; and 6 Kenbourne Rd., Sheffield.
1906.	Bland, John Parkinson	Chief Eng., "The Times," 2 Printing House Square, E.C.
1898.	Blane, William	Constitutional Club, Northumber- land Avenue, W.C.
1895. 1899.	A.M.) BLAXTER, AUGUSTUS PEARCE, M.) Jun	Messrs. Barnett and Foster, Niagara Works, Eagle Wharf Rd., New
1892.	Blechynden, John	North Rd., N. Brougham St., Nelson, New
		Zealand.  (Bewsey Iron Works, Warring-
1867.	Bleckly, John James	ton; and Daresbury Lodge, Altrincham.
1899.	BLENKINSOP, JOHN NICHOLAS	Marine Supt. Eng., G. E. Rly., Parkeston Quay, Harwich.
1910.	BLUCK, MONTAGUE THOMAS NELMES	Puket, Siam, vià Penang, Straits Settlements.
1882. 1885.	G.) BLUNDSTONE, SAMUEL RICH- M.) ARDSON	5 Hudgate Cheus Dundings, E.C.
1902.	Boak, William	Messrs. Delmege, Forsyth and Co., Colombo, Ceylon. (c/o Baron L. Knoop, Machinery
1902.	Boardman, James	Dept., Moscow, Russia.

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1884. G. BOCQUET, HARRY CLAUDE	4 Kimbolton Avenue, Bedford.
1895. Bond, George Creswell	Mann's Chambers, Nottingham. [Bonds, Nottingham. 441.]
1901. A.M.)	National Boiler & General Insur-
1901. A.M. Bond, John Thomas	ance Co., 22 St. Ann's Sq., Man- chester.
1884. Bone, William Lockhart	Works of the Ant and Bee, West Gorton, Manchester.
1902. {Bonell, Thomas Henry Mahadoo	Loco. Carr. and Wagon Supt., Government Rlys., Lagos, W. Africa.
1901. A.M.) BONNIWELL, PERCIVAL OR	Chief Eng., United Legal Indemnity Insurance Society, 222-225
1904. M. MOND	Strand, W.C.
1895. BOORMAN, JOSEPH ASHWORTH	The Knoll, Sherburn-in-Elmet, South Milford, Yorks.
1906. A.M.) Page Harris Page	(TTT
1906. A.M.) Boot, Horace Louis Petit	Westminster, S.W. [Gerrard, 2348.]
1901, A.M.) Barra 7	(Worthington Pumping Engine
1901. A.M. BOOT, JAMES NOEL	Co., 153 Queen Victoria St., E.C.
1890. Воотн, Robert	110 Cannon Street, E.C. [Crocus,
(Popularia Torrivo August	London. 1477 Central.] (Managing Director, Messrs.Ruston,
BORNEMANN, JOHANN AUGUST DIEDERICH	Proctor & Co., Sheaf Iron Works,
	( Lincoln. (Messrs. Galloways, Knott Mill Iron
1891. Boswell, Samuel	Works, Manchester; and 82
	Albert Grove, Longsight, Man- chester.
1000	Messrs. T. C. Fawcett and Co.,
1899. BOTTOMLEY, JOHN WILLIAM	White House Engineering Works, Leeds.
1886. (BOULT, ALFRED JULIUS (Life	
1878. BOURDON, FRANÇOIS EDOUARE	74 Faubourg du Temple, Paris.
	4 South St., Finsbury, E.C. [In-
1891. Bousfield, John Ebenezer	vention, London. 4492 Central.
1880. Bow, WILLIAM	Thistle Engine Works, Paisley.
1908. (BOWDEN, GEORGE ROBERT	[Bow, Paisley.]
HARLAND	Hazeldene, St. Albans.
1910. Bowden, John Horace	Borough Electrical Eng., 81 East India Dock Rd., E.
1888. BOWEN, EDWARD (Life Member)	9 St. Andrew's Square, Hastings.
1903. BOWER, WILLIAM NELSON	Corn Exchange Bldgs., Cathedral St., Manchester.
1892. BOWKER, ARTHUR F	Whitehill, Wrotham, Kent. [Bow- ker, Wrotham.]
	Works Manager, Messrs. Kitson
1899. Bowler, Thomas	& Co., Airedale Foundry, Leeds.
1000 D	Messrs. Stevenson and Co., Canal
1899. BOWMAN, HAROLD	Foundry, Preston. [Stevenson, Preston.]
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1903. A.M.) ROWN CHARTES HENRY	(Messrs. Merryweather & Sons,
1908. M. Bown, Charles Henry	Greenwich, S.E.; and 4 Thorns-
2000. 11.1)	beach Rd., Catford, S.E.
	Royal Insurance Bldgs., 7 Royal
1890. BOYD, JOHN WHITE	Bank Place, Glasgow. [Silent,
	Glasgow.]
	(Engineer Surveyor - in - Chief,
1907. BOYLE, ALEXANDER	Marine Dept., Board of Trade,
	54 Victoria St., S.W.
	(Sir W. G. Armstrong, Whitworth
1907. BRACKENBURY, HEREWARD	& Co., Elswick Works, New-
IRENIUS	castle-on-Tyne.
1000 135)	(c/o Colonial Secretary, Colombo,
1898. A.M. BRADLEY, GODFREY THOMAS	
	Ceylon.
1896. Bradney, Walter	Billiter Bldgs., Billiter St., E.C.
1897. BRADSHAW, GEORGE THEO-	(Loco. and Resident Eng., Bally-
BALD MATHEW	castle Rly., Ballymoney, Ireland.
1878. Braithwaite, Charles C	Boreham Wood Works, Elstree,
1010. Disalita walls, Chambes C	Herts. [Packing, Boreham Wood.]
1906. BRAMLEY, TOM BRYAN	Genl. Manager, Challenge Cycle
1906. Bramley, Tom Bryan	Co., Coventry.
1000 4 35 )	2 Mulberry St., Hulme, Manchester.
1906. A.M.) BRAYSHAW, SHIPLEY NEAVE.	{ [Hardening, Manchester. 8876]
1909. M. S DATSHAW, SHIFTEET TREATER.	Central.
1900. BREARLEY, FREDERICK THOMAS	9 Edenhurst Rd., Stockport.
	Works Manager, Messrs, W. T.
	Works Manager, Messrs. W. T. Beesley & Co., Universal Steel
1906. Brearley, William Henry	Works, Attercliffe Road, Shef-
	field.
1910. Brecknell, Henry	330 Fishponds Rd., Bristol.
1900. Bremner, David Alexander	York House, Norfolk St., Strand,
1900. Bremner, David Alexander	York House, Norfolk St., Strand, W.C.
	York House, Norfolk St., Strand, W.C. (Works Manager, Messrs. Fawcett,
1900. Bremner, David Alexander 1909. Brew, Joseph Beaumont .	York House, Norfolk St., Strand, W.C. Works Manager, Messrs. Fawcett, Preston & Co., Phænix Foundry,
1909. Brew, Joseph Beaumont .	York House, Norfolk St., Strand, W.C. Works Manager, Messrs. Fawcett, Preston & Co., Phænix Foundry, 17 York St., Liverpool.
1909. Brew, Joseph Beaumont .  1902. A.M.) Brewer Enward Convers	York House, Norfolk St., Strand, W.C. Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool. 556 Victoria St., Westminster, S.W.
1909. Brew, Joseph Beaumont .  1902. A.M. 1907. M. Brewer, Edward Godfrey	York House, Norfolk St., Strand, W.C. Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool. 56 Victoria St., Westminster, S.W. [Westminster 862.]
1909. Brew, Joseph Beaumont .  1902. A.M. Brewer, Edward Godfrey 1907. M. Brewer, Robert Wellesle	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W.  [Westminster 862.]  199 Piccadilly, W. [Unspoilt,
1909. Brew, Joseph Beaumont.  1902. A.M. Brewer, Edward Godfrey. 1902. A.M. Brewer, Robert Wellesle. 1908. M. Antony	York House, Norfolk St., Strand, W.C. Works Manager, Messrs. Fawcett, Preston & Co., Phænix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  19 Piccadilly, W. [Unspoilt, London.]
1909. Brew, Joseph Beaumont .  1902. A.M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle 1908. M. Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  7 15 Lyndhurst Rd., Camberwell,
1909. BREW, JOSEPH BEAUMONT .  1902. A.M. BREWER, EDWARD GODFREY 1902. A.M. BREWER, ROBERT WELLESLE 1908. M. ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phœnix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W.  [Westminster 862.]  19 Piccadilly, W. [Unspoilt, London.]  15 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]
1909. Brew, Joseph Beaumont .  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phœnix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W.  [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St.,
1909. Brew, Joseph Beaumont .  1902. A.M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle 1908. M. Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phonix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W.  [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  55 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333
1909. Brew, Joseph Beaumont .  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phemix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  52 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]
1909. Brew, Joseph Beaumont.  1902. A.M. 1907. M. Brewer, Edward Godfrey. 1902. A.M. Brewer, Robert Wellesle. 1908. M. Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  52 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford;
1909. BREW, JOSEPH BEAUMONT .  1902. A.M. 1907. M. BREWER, EDWARD GODFREY 1902. A.M. BREWER, ROBERT WELLESLE ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  19 Piccadilly, W. [Unspoilt, London.]  15 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.
1909. Brew, Joseph Beaumont .  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phænix Foundry, 17 York St., Liverpool.  Se Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspeilt, London.]  S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.
1909. BREW, JOSEPH BEAUMONT  1902. A.M. 1907. M. BREWER, EDWARD GODFREY  1902. A.M. BREWER, ROBERT WELLESLE  1908. M. ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phemix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glas-
1909. BREW, JOSEPH BEAUMONT .  1902. A.M. 1907. M. BREWER, EDWARD GODFREY 1902. A.M. BREWER, ROBERT WELLESLE ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3833 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.
1909. BREW, JOSEPH BEAUMONT  1902. A.M. 1907. M. BREWER, EDWARD GODFREY  1902. A.M. BREWER, ROBERT WELLESLE  1908. M. BREWSTER, EDWIN HENR  GEORGE  1905. BRIDGES, WALTER  1887. BRIER, HENRY  1889. BRIGGS, CHARLES  1901. A.M. 1908. M. BRIGGS, ERNEST REYNOLDS  1898. A.M. BRIGGS, HERDERT	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  51 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  52 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg,
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle 1908. M. Brewster, Edwin Henre George	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transyaal.
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle 1908. M. Antony	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford, and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.
1909. BREW, JOSEPH BEAUMONT  1902. A.M. 1907. M. BREWER, EDWARD GODFREY  1902. A.M. BREWER, ROBERT WELLESLE  1908. M. ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phænix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspeilt, London.]  15 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transyaal.
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesle 1908. M. Antony  1891. {Brewster, Edwin Henre George  1905. Bridges, Walter  1887. Brier, Henry  1889. Briggs, Charles  1901. A.M. Briggs, Ernest Reynolds  1898. A.M. Briggs, Herbert  1889. Briggs, John Henry (Lift Member)	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford, and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.
1909. BREW, JOSEPH BEAUMONT  1902. A.M. 1907. M. BREWER, EDWARD GODFREY  1902. A.M. BREWER, ROBERT WELLESLE  1908. M. ANTONY	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phemix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  52 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. 1902. A.M. 1902. A.M. 1908. M. 1891. Brewer, Robert Wellesle Antony  (Brewster, Edwin Henr George  1905. Bridges, Walter  1887. Brieg, Henry  1889. Briggs, Charles  1901. A.M. 1908. M. 1898. A.M. 1902. M. 1881. Briggs, John Henry (Lift Member)  1903. A.M. 1903. A.M. 1903. A.M. 1908. M. Britton, Sydney Ernest	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3833 Central.]  Messrs. Seagers Ltd., Dartford, and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.  Howden.  Corpn. Electricity Works, New
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. Brewer, Edward Godfrey 1902. A.M. Brewer, Robert Wellesler 1908. M. Antony  1891. Brewer, Robert Wellesler Antony  (Brewster, Edwin Henr George  1905. Bridges, Walter  1887. Brier, Henry  1889. Briggs, Charles 1901. A.M. 1908. M. Briggs, Ernest Reynolds 1898. A.M. Briggs, Herbert  1881. Briggs, John Henry (Lift Member)  1909. A.M. Briggs, John Henry (Lift Member)	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phenix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W.  [Westminster 862.]  199 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford.  Carleton Lodge, Pontefract.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.  Howden.  (Corpn. Electricity Works, New Crane St., Chester.
1909. Brew, Joseph Beaumont  1902. A.M. 1907. M. 1902. A.M. 1902. A.M. 1908. M. 1891. Brewer, Robert Wellesle Antony  (Brewster, Edwin Henr George  1905. Bridges, Walter  1887. Brieg, Henry  1889. Briggs, Charles  1901. A.M. 1908. M. 1898. A.M. 1902. M. 1881. Briggs, John Henry (Lift Member)  1903. A.M. 1903. A.M. 1903. A.M. 1908. M. Britton, Sydney Ernest	York House, Norfolk St., Strand, W.C.  Works Manager, Messrs. Fawcett, Preston & Co., Phemix Foundry, 17 York St., Liverpool.  56 Victoria St., Westminster, S.W. [Westminster 862.]  19 Piccadilly, W. [Unspoilt, London.]  515 Lyndhurst Rd., Camberwell, S.E. [1174 Deptford.]  3 Salters' Hall Court, Cannon St., E.C. [Kawaka, London. 3333 Central.]  Messrs. Seagers Ltd., Dartford; and 1 Miskin Rd., Dartford; and 1 Miskin Rd., Dartford.  56 Cadder St., Pollokshields, Glasgow.  P.O. Box 1976, Johannesburg, Transvaal.  Howden.  Corpn. Electricity Works, New Crane St., Chester.  (Central Iron Works, Huddersfield.

and of fransier,	
1890. Brodie, John Alexander	City Eng., Municipal Bldgs., Liver-
1897. BRODRICK, WILLIAM HOLBORN	37 Wellington St., Hull.
1852. $\begin{cases} \text{Brogden, Henry } (Life) \\ \text{Member} \\ \dots \\ \dots \end{cases}$	Hale Lodge, Altrincham.
1892. Bromiley, William J	Beech Hurst, Chorley New Rd., Bolton.
1892. G. 1893. A.M. 1896. M. BROMLY, ALFRED HAMMOND	Petatlan, Distrito de Galeana, Guerrero, Mexico.
1892. Brooke, John Walter	{Adrian Iron Works, Lowestoft. [Brooke, Lowestoft.]
1906. A.M.) BROOKE, JOHN WALTER 1910. M. MAWDSLEY	
1892. Brooke, Robert Grundy	Sirius Works, West Gorton, Man- chester. [Influx, Manchester.]
1897. (Brooks, Samuel Herbert	JUnion Iron Works, West Gorton,
(Life Member) 1880. Brophy, Michael Mary	Manchester. 48 Gordon Square, W.C.
1901. A.M.) BROTHERHOOD STANIES	53 Parliament St., S.W. [Brother-
1905. M. S BROTHERHOOD, STANLEY	hood, London.] G.N. and City Rly., 3 Highbury
1905. M. BROUSSON, ROBERT PERCY	Place, N.
1901. Browett, Thomas	579 Finchley Rd., Hampstead, N.W.
1886. G.) Brown, Andrew	[110 Cannon St., E.C.; and East Dene, Landsdowne Rd., Bromley, Kent. [Browpost, London. Bank 8168.]
1891. Brown, Arthur Mogg	Wynberg, Westmoreland Rd., Bromley, Kent.
1906. Brown, Major Frank, A.O.D.	25 St. Ronan's Avenue, Southsea, Portsmouth.
1889. G.) Brown, Captain Frederick	(44 Wentworth Rd., Harborne,
1889. M. ALEXANDER WILLIAM	Birmingham.
1904. Brown, Harold Henry Lane	Supervising Eng., Lucknow, India. (Maisonettes Hotel, De Vere
1902. Brown, Henry	Gardens, W.
1892. Brown, J. Fiddes	Casa Quinta, 59 Lexham Gardens, Kensington, W. [3316 Western.]
1909. Brown, Robert Henry	Works Manager, Messrs. Howarth Erskine, Bangkok, Siam.
	Messrs. W. Simons & Co., London
1888. Brown, William	Works, Renfrew; and Kilrene, 7 Whittingehame Gdns., Great
1892. Brown, William	Western Rd., Glasgow. §150 Shooters Hill Rd., Blackheath,
Diona, William	Chairman, Messrs. R. & W. Haw-
1902. {Browne, Sir Benjamin Chapman, D.C.L	thorn, Leslie & Co., Forth Banks Works, Newcastle-on-Tyne.
	[Locomotive, Newcastle-on-Tyne.] [Former Member 1869–1884.]
1902. A.M.) BROWNE, BENJAMIN CHAPMAN,	Messrs. R. & W. Hawthorn, Leslie & Co., St. Peter's Works,
1903. M. Jun	Newcastle-on-Tyne.
1905. Browne, Robert Jamieson	c/o Messrs. Grindlay & Co., 11 Hastings St., Calcutta.
1909. Browne, Sydney Ogilvie	Loco. Supt., Great Southern of Spain Rly., Aguilas, Spain.

Date	0	[]	El	ecti	ion
and	of	T	га	nsf	er.

and of Transfer.		
1907. A.M.)	BROWNE, TOM BOUSQUET (Life	(125 and 126 Temple Chambers,
1909. M.	Member)	Temple Avenue, E.C.
1874. G.)		5L Portman Mansions, East
1879. M.	BROWNE, TOMYNS REGINALD	Street, W.
1902. A.M.)	-	(14A Leicester St., Leicester Sq.,
1908. M.	BROWNE, WILLIAM RUDDLE	W.C.
		35 Albany St., Regent's Park,
1903. A.M.)	BROWNJOHN, WILLIAM HENRY	N.W.
1909. M.		St. Ninians, Oakleigh Rd., Hatch
1889.	BRUCE, ROBERT	End, S.O., Middlesex.
1893. G.)	_	( 224, 2.0.)
	BRUCE, ROBERT ARTHUR	High Lea, Albert Road, Bolton.
1895. A.M.		Tight Liou, Ittoore Lioud, Lorent
1903. M.)		(6 Oriel Chambers, Water St., Liver-
1909.	BRUNDRIT, JOSEPH	pool.
4000	D To	12 Victoria St., Westminster, S.W.
1892.	Brunlees, John	(Chief Officer and Eng., Muni-
1905.	BRUNTON, JAMES FORREST	oinglity Karachi India
		cipality, Karachi, India.
1887.	BRUNTON, PHILIP GEORGE	Inspector of Ironwork, Public
	,	Works Dept., Sydney, N.S.W.
1904. A.M.	BRYAN, BERNARD WILLIAM	Chief Eng., South Essex Water
1908. M.	22121111	Works, Romford.
1884.	BRYAN, WILLIAM B	Chief Eng., Metropolitan Water
		Board, Savoy Court, W.C.
1902. A.M.)		Messrs. Oakes & Co., Madras,
1909. M.)	Dillani, Libitalio Lidalion	India.
		Chief Eng., Messrs. Bayliss, Jones
1909.	BRYCE, WILLIAM EDWARD	& Bayliss, Victoria Works, Wol-
		verhampton.
1902.	BRYSON, JAMES	General Manager, Pumpherston
1902.	BRYSON, JAMES	Oil Works, Mid-Calder.
		(Caledonia Foundry and Engine
1000	Dromayay Tarms	Works, Brasenose Road, Liver-
1899.	Buchanan, James	pool. [Buchanan, Liverpool.
		Bootle 132.]
1004 4 3/		(Messrs. Thompson and Hunter,
1904. A.M.	BUCK, EDWARD CLARKE	Port-of-Spain, Trinidad, West
1910. M.	)	Indies. [Gelonka, Trinidad.]
		(Messrs. Vickers, Sons & Maxim,
1901.	BUCKHAM, GEORGE THOMAS	32 Victoria St., Westminster,
	,	S.W.
4000	T	(36 Cleveland Rd., Lytham, R.S.O.,
1892.	BUCKLEY, JOHN T	Lancs.
100*	D	c/o Axel Ahrberg, Stockholm II,
1895.	BUCKLEY, VICTOR EMANUEL	Sweden.
1902. A.M.	) -	(72 Victoria Street, Westminster,
1910. M.		S.W.
	<b>,</b>	(Board of Trade Surveyors' Office,
1896.	BUCKWELL, GEORGE WILLIAM	Canning Place, Liverpool.
1878. G.	) = =	
1885. M.		Penbedw, Nannerch, Mold.
2000. 221	,	(Messrs. Schäffer and Budenberg,
	. =	Whitworth St London Rd
	BUDENBERG, CHRISTIAN FRED-	Manchester; and Somerville, Ark-
1894. M.	} ERICK	wright Rd., Marple, Stockport.
		[Manometer, Manchester, 899.]
1005		(Hôtel des Champs Elysées, 3 Rue
1882.	BUDGE, ENRIQUE	Balzac, Paris.
		Laurino, Laire,

20

Date of Election and of Transfer.		
1898. A.M.) 1906. M.)	Bulfin, Ignatius	Boro' Electrical Eng., Generating Station, Southcote Rd., Bourne- mouth.
1881.	BULKLEY, HENRY WHEELER	141 Broadway, New York, U.S.
1907.	Bullock, William Edward	Works Manager, Messrs. Singer & Co., Coventry.
1892. G.) 1897. A.M.) 1901. M.)	Bulwer, Ernest Henry Earle	61 Cadder Street, Pollokshields, Glasgow.
1891.	BUMSTED, FRANCIS DIXON	Cannock Chase Foundry and Engine Works, Hednesford, Stafford.
1884.	Bunt, Thomas	[Buntera, London. 5049 West-minster.]
1899.	Burcham, Richard Edward	M. S. U. Assoen., 9 Mount St., Manchester; and Richmond Ter., Vine St., Openshaw, Manchester.
1885.	BURDER, WALTER CHAPMAN	Messrs. Messenger & Co., Loughborough.
1902. A.M.) 1906. M.)	BURFORD, HENRY GEORGE	Grafton House, Warwick New Rd., Leamington Spa.
1906.	BURN, ARTHUR JAMES HORS-	Managing Director, Waddle Patent Fan and Engineering Co., Ltd., Llanmore Iron Works, Llanelly.
1908.	Burnet, Charles Douglas	Tudor Accumulator Co., Rail Welding Dept., 119 Victoria St., Westminster, S.W.
1878.	BURRELL, CHARLES	St. Nicholas Works, Thetford. [Burrell, Thetford.]
1896.	BURSTALL, Professor FRED- ERIC WILLIAM	The University, Edgbaston, Birmingham.
1890.	Burstall, Henry Robert John	14 Old Queen St., Westminster, S.W. [Instructed, London. 771 Westminster.]
1898.	BURT, GEORGE (Life Member)	Messrs. John Mowlem and Co., 19 Grosvenor Rd., S.W.
1884.	BUTCHER, JOSEPH JOHN	195 West Brookline St., Boston, U.S.
1896. A.M.) 1902. M.)	BUTCHER, MALCOLM HENRY	Messrs. Howard Farrar, Robinson & Co., Queen St., Port Elizabeth, Cape Colony.
1882.	Butler, Edmund	Kirkstall Forge, near Leeds.
1884. G.) 1892. M.)	BUTLER, HUGH MYDDLETON	Kirkstall Forge, near Leeds.
1891.	BUTLER, JAMES	Victoria Iron Works, Halifax; and Longfield, Halifax.
1902.	BUTLER, JOSIAH	Messrs. Baldwins, Swansea Hema- tite Iron and Steel Works, Lan- dore, R.S.O., Glamorgan.
1910.	BUTTERS, HOWARD	Messrs. Butters, Hale & Co., Napier, New Zealand; and Tudor House, West Cliff Drive, Bournemouth.
1894.	BUTTERWORTH, JOSEPH	Messrs. Lancaster and Tonge, Pen- dleton, Manchester; and Sunny Lawn, Manchester Rd., Swin- ton, Manchester.
1907.	BUTTLE, DAVID CARLETON	Loco. Supt., Antofagasta (Chile) and Bolivia Rly., Antofagasta, Chile.

1886. 1891.	G. CAIRNES, FREDERICK EVELYN	Killester House, Raheny, S.O., Co Dublin.
1900.	CALTHROP, EVERARD RICHARD	Eldon Street House, Eldon St. E.C. [Raillerais, London.]
1886.	Cambridge, Henry	Stuart Chambers, Mount Stuar
1898.	CAMERON, JOHN	\ Sq., Cardiff. Taff Vale Railway, Cardiff.
1903.	Campbell, Alexander	Works Manager, Hunslet Engine Works, Leeds. [Engine, Leeds 528.]
1877.	CAMPBELL, ANGUS	Logie, Mussoorie, United Provinces India.
1898.	CAMPBELL, HUGH	Campbell Gas Engine Co., King ston, Halifax. [Camgas, Halifax. 92.]
1882.	CAMPBELL, JOHN	Messrs. R. W. Deacon & Co. Kalimaas Works, Soerabaya Java.
1899.	CAMPBELL, ROBERT MALCOLM	19 Klea Avenue, Clapham Common, S.W.
1892.	Campbell, William Walker	Messrs. A. F. Craig & Co., Caledonia Engine Works, Paisley [Machinery, Paisley. 322.]; and Oakshawhead, Paisley.
1903.	CAMPS, HAROLD EDWARD JOSCHLYN	6 Crosby Square, E.C. [Adiabatic, London. 8293 Central.]
1910.	CANTRILL, WILLIAM LEWIS	Haslam Foundry and Engineering Co., Union Foundry, Derby.
1885.	{Capito, Charles Alfred Adolph	10 Mynstersvej, Copenhagen, Denmark.
1892.	{Capper, Professor David Sing	King's College, Strand, W.C.; and 17 Victoria St., Westminster, S.W. [5255 Westminster.]
1898.	Capron, Athol John	Green Oak, Totley, Sheffield.
1878.	CARDEW, CORNELIUS EDWARD	Lanhainsworth, St. Columb, Cornwall.
1875.	{Cardozo, Francisco Corrêa de Mesquita (Life Member)	Messrs. Cardozo and Irmão, Per- nambuco Engine Works, Per- nambuco, Brazil.
1892.	CARNEGIE, DAVID, F.R.S.E	Messrs. Samuel Osborn and Co., Sheffield.
1901. 1905.	A.M. CARNEGIE, FRANCIS	Royal Small Arms Factory, Enfield Lock, Middlesex.
1901.	A.M. CARNEGIE WITTIN	Royal Laboratory, Royal Arsenal,
1905.	M. CARNEGIE, WILLIAM	Woolwich. Messrs. J. Samuel White & Co.,
1899.	CARNT, EDWIN CHARLES	Cowes. [White, East Cowes. 3 A.]
1896 1904.	A.M.) CAROLIN, EDWARD MARLAY	1758 Mance St., Montreal, Canada.
1902.	CARPENTER, CHARLES CLAUDE	Chairman, S. Metropolitan Gas Co., 709 Old Kent Rd., S.E. [Metrogas, London.]
1905.	CARR, ANDREW CUSTANCE	Assist. Chief Mech. Eng., Bengal Nagpur Railway, Khargpur, Bengal.
1895.	CARB, ROBERT ALFRED {	Broad Street House, New Broad St., E.C.
		C

(Killester House, Raheny, S.O., Co. Dublin. Eldon Street House, Eldon St., E.C. [Raillerais, London.] Stuart Chambers, Mount Stuart Sq., Cardiff. Taff Vale Railway, Cardiff. Works Manager, Hunslet Engine Works, Leeds. [Engine, Leeds. 528.] Logie, Mussoorie, United Provinces India. Campbell Gas Engine Co., King ston, Halifax. [Camgas, Halifax. Messrs. R. W. Deacon & Co., Kalimaas Works, Soerabaya, Java. 19 Klea Avenue, Clapham Common, Messrs. A. F. Craig & Co., Caledonia Engine Works, Paisley [Machinery, Paisley. 322.]; and Oakshawhead, Paisley. 6 Crosby Square, E.C. [Adiabatic, London. 8293 Central.] Haslam Foundry and Engineering Co., Union Foundry, Derby. 10 Mynstersvej, Copenhagen, Denmark. King's College, Strand, W.C.; and 17 Victoria St., Westminster, S.W. [5255 Westminster.] Green Oak, Totley, Sheffield. Lanhainsworth, St. Columb, Cornwall. Messrs. Cardozo and Irmão, Pernambuco Engine Works, Pernambuco, Brazil. Messrs. Samuel Osborn and Co., Sheffield. Royal Small Arms Factory, Enfield Lock, Middlesex. Royal Laboratory, Royal Arsenal, Woolwich. Messrs. J. Samuel White & Co., Cowes. [White, East Cowes. 3 A.] 1758 Mance St., Montreal, Canada. Chairman, S. Metropolitan Gas Co., 709 Old Kent Rd., S.E. [Metrogas, London.] Assist. Chief Mech. Eng., Bengal Nagpur Railway, Khargpur,

1903. CARR, WILSON STORY	Messrs. Vickers, Sons and Maxim, River Don Works, Sheffield.
1903. CARRUTHERS, ROBERT	Chief Supt. Eng., Bombay and Persia Steam Navigation Co.,
	Bombay.
1885. CARTER, HERBERT FULLER	Messrs. Grothe & Carter, Tiburcio 22, Mexico D.F., Mexico. [Gro- cart, Mexico.]
1907. {Cartwright, Professor Cecil Leonard	College of Engineering, Madras, India.
1901. Cartwright, William	Works Manager, Messrs. William Heap & Co., Oldham Road Tool Works, Ashton-under-Lyne.
1900. A.M.) Cash, Ernest William	Middlesex Works, School Rd., Hampton Wick.
1888. Castle, Frank	Westover, Victoria Drive, East- bourne.
1891. Caswell, Samuel John	c/o J. Forsdike, Inspector of Slaughter Houses, Charters Towers, Queensland. (Brighton Villa, Handsworth, R.O.,
1892. CAUSER, WILLIAM GEORGE	Birmingham.
1000	82 Victoria St., Westminster, S.W.
1883. CAWLEY, GEORGE	[Conferring, London. 26 Victoria.]
1892. Chadwick, Osbert, C.M.G	7 Carteret St., Queen Anne's Gate, Westminster, S.W.
1894. Chaffey, George	1207 Union Trust Building, Los Angeles, Cal., U.S.
1876. CHALLEN, STEPHEN WILLIAM	Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.  [Derwent, Birmingham.]
1889. G.) CHALLEN, WALTER BERNARD	Derwent Foundry, 60 and 62 Constitution Hill, Birmingham.
1892. Chalmers, George	St. John del Rey Mining Co., Finsbury House, Blomfield St., E.C.
1902. A.M. 1907. M. CHALMERS, JAMES	Eng., Companhia do Beberibe, Pernambuco, Brazil.
1886. Chalmers, John Reid	18 Hemingford Rd., Barnsbury, N.
1901. Chamberlain, John	133 Embleton Rd., Lewisham, S.E. [Former Member 1884– 1894.]
1897. CHAMBERS, EDWARD JOHN	Winterbourne, Dudley.
1896. Chambers, Robert Martin	Messrs. Chambers & Co., Cuba St., Belfast.
1900. {Chambers, Thomas Hall Winsley	Messrs. Gjers, Mills & Co., Ayresome Iron Works, Middlesbrough.
1906. Chamen, William Ashcombe	Genl. Manager, S. Wales Electrical Power Distribution Co., Royal Chbrs., Queen St., Cardiff.
1890. CHANDLER, NOEL	Cannock Chase Foundry and Engine Works, Hednesford, Staf- ford.
1888. Chapman, Arthur	Westbury, Woodfield Rd., Ealing, W.

1898.	CHAPMAN, LEONARD	The Lodge, Kingston Rd., Teddington.
1893.	CHARLESWORTH, SHEARD	6 Clegg St., Oldham. [Charlesworth, Engineers, Oldham. 63.]
1885.	{Charnock, Professor George} Frederick	Technical College, Bradford.
1890.	CHATER, JOHN RICHARD	Messrs. Cheshire, Pooley and Co., 22 Johnson Street, Liverpool.
1885. 1889.	G. CHATFEILD CLARKE, LESLIE	Brooklyn, Wootton Bridge, Isle of Wight.
1891.	CHATTERTON, ALFRED	P.O. Box 112, Madras, India.
1887.	CHATWIN, JAMES	Victoria Works, Great Tindal St., Ladywood, Birmingham.
1898.	CHATWOOD, SAMUEL RAWS-	Manager, Lancashire Safe and Lock Works, Bolton. [Chatwoods, Bolton. 393.]
1873.	CHEESMAN, WILLIAM TALBOT	Hartlepool Rope Works, Hartle-
1906. A. 1910.	M. CHEW, LEUIG	Works Manager, Messrs. H. J. West & Co., Saxilby Iron Works, Saxilby, Lincoln.
1906.	CHILD, GEORGE THOMAS	Messrs. Thomas Bolton & Sons, Oakamoor, Stoke-on-Trent.
1903.	CHILD, HARRY SHAW	Tan-y-goppa, Abergele, Denbigh- shire.
1897.	CHILDE, HENRY SLADE	Messrs. Childe and Rowand, Wakefield. [Childe, Wakefield. 33.]
1895.	CHITTENDEN, EDMUND BARROW	New Barnes, West Malling, Kent. [Former Member 1886-1891.]
1906.	CHIVERS, SAMBURN	Manager, Western Wagon and Property Co., East Moors, Car- diff.
1903.	CHORLTON, ALAN ERNEST LEOFRIC	Messrs. Mather and Platt, Salford Iron Works, Manchester; and Granville House, Ellesmere Park,
1899.	CHRISTIE, ANDREW	Eccles. 93 Pitt Street, Sydney, N.S.W.
1894.	(CHURCHWARD, GEORGE) JACKSON (Member of Council)	Loco. Supt., G.W. Rly., Swindon.
1896.	{CLAREMONT, ERNEST ALEX-	Messrs. Royce Ltd., Trafford Park, Manchester. [Switch, Manchester. 4831.]
1903.	CLARK, EDWIN KITSON	Airedale Foundry, Leeds.
1896.	CLARK, GEORGE	Southwick Engine Works, near Sunderland.
1899. A. 1900.	M.) CLARK, GEORGE	Bryan Donkin Co., Chesterfield; and The Cedars, Newbold Road, Chesterfield. [386.]
1904.	CLARK, HENRY	Southwick Engine Works, nr. Sun- derland. [Clark, Sunderland.]
1889.	CLARK, THOMAS ALEXANDER	Supt. of Workshops, George Heriot's School, Edinburgh.
1896.	CLARK, THOMAS FORSTER	Works Manager, Messrs. Gwynnes, Hammersmith Iron Works, W.
1906.	CLARK, WILLIAM FREDERICK	Managing Director, Messrs. James Archdale & Co., Birmingham.
1893. 1898.	A.) CLARKE, EDWARD FUHRMANN	Victoria Chbrs., 5A Temple Row, Birmingham. [1788.]

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1901.	CLARKE, GEORGE GRANVILLE	Pahang Consolidated Co., Sungei Lembing, viå Singapore, Straits Settlements.
1911.	CLARKE, JOSEPH	c/o Pacific Phosphate Co., 465 Collins St., Melbourne, Victoria.
1895. G.) 1900. A.M.) 1908. M.)	CLARKE, LEIGH THEOPHILUS	Electrical Dept., G.C. Rly., Marylebone, N.W.
1894.	CLARKSON, CHARLES	29 Shandon St., Edinburgh.
1898.	CLARKSON, JAMES	Messrs. J. & P. Coats, 89 Wellington St., Glasgow.
1891.	CLARKSON, THOMAS	Moulsham Works, Chelmsford; and Mount House, Chelmsford.
1892. 1901.	CLAY, CHARLES BUTLER CLAYTON, JAMES	Hylton, Albemarle Rd., Beckenham. 12 Middleborough Rd., Coventry.
1905.	CLAYTON, JAMES ADOLPHUS	Carr. and Wagon Supt., B.B. & C. I. Rly., Bombay, India.
1898. A.M. 1905. M.	CLEAVE, ARTHUR HAROLD	Royal Mint, Ottawa, Canada.
1890.	CLELAND, WILLIAM	Sheffield Testing Works, Blonk St., Sheffield.
1903. A.M.) 1906. M.)	CLEMENCE, WALTER	Farringford, Walton-on-Thames.
1908.	(CLERK, DUGALD, F.R.S. (Member of Council)	57 and 58 Lincoln's Inn Fields, W.C.
1897.	CLIFFORD, CHARLES	Chief Mech. Eng., G.N. Rly. of Ireland, Dundalk.
1885. G.) 1888. M.)	CLIFTON, GEORGE BELLAMY	G.W.R., 66 Porchester Rd., Paddington, W.
		(Managing Director, Messrs. Thomas
1901.	CLOAKE, WILLIAM HENRY	Green & Son, New Surrey Works, Southwark St., S.E. [Surrey Works, London. 2022 Hop.]
1898. G.)		22
1901. A.M.	CLOSE, HENRY ALWYN	14 Wentworth Terrace, Wakefield.
1910. M.)	CLOSE, JOHN	Dringhouses, York.
1902.	CLOUD, JOHN WILLS	Westinghouse Brake Co., 82 York
	`	Rd., King's Cross, N. (Engineers' Dept., L.C.C., Spring
1885.	CLUTTERBUCK, HERBERT	Gardens, S.W.
1904.	Coates, Alfred	Manager, Whessoe Iron Foundry, Darlington.
1902.	COATES, VICTOR HENRY	2 Norfolk St., Strand, W.C. [Victomime, London. Gerrard 3261.]
1887.	COCHRANE, GEORGE	London Hydraulic Power Works,
200,,	Coolina, Galorea III	Hatfield St., Southwark, S.E. Grahamston Foundry and Engine
1885.	Cochbane, John	Works, Barrhead, Glasgow. [Cochrane, Barrhead.]
	(Cochrane, Major John	Marconi's Wireless Telegraph Co.,
1910.	ERNEST CHARLES JAMES, D.S.O	Watergate House, York Bldgs., Adelphi, W.C.
1904.	COCHRANE, Major THOMAS HENRY, M.V.O., R.E	R. E. Headquarters, Tientsin, North China.
1902, A.M.)		Metrop. Asylums Board, Victoria
1908. M.	CODD, THOMAS JAMES	Embankment, E.C.

and or Transfer.		
1864.	CODDINGTON, Sir WILLIAM, Bart	and Wycollar, Blackburn.
1889.	COEY, ROBERT	Loco. Eng., G.S. and W. Rly., Inchicore Works, near Dublin.
1898.	COKER, Professor ERNEST GEORGE, D.Sc., F.R.S.E	Finsbury Technical College, Leonard St., City Rd., E.C.
1889. 1905, A.M.)	COLAM, WILLIAM NEWBY	[27 Rutland Square, Edinburgh. [Colam, Edinburgh. 1285.]
1910. M.	Cole, Charles Stuart	4 Sellon's Avenue, Harlesden, N.W. (50 Lime Street, E.C. [Carbuncle,
1892.	COLE, HENRY AYLWIN BEVAN	London. 1750 Avenue.] (Dist. Supt., N.E. Rly., Middles-
1900.	Collinson, Arthur	brough.
1894. A.M.) 1897. M.)	COLLIS, ALFRED EDWARD	Municipal Technical School, Lincoln.
1884.	COLTMAN, JOHN CHARLES	Engineering Works, Meadow Lane, Loughborough.
1878.	COLYER, FREDERICK	Cromwell Lodge, West Street, Ryde.
1896.	CONATY, GEORGE	109 Colmore Row, Birmingham. [Conaty, Birmingham. 87 South.]
1902.	CONNER, JAMES	Genl. Manager, English Electric Mfg. Co., Preston.
1888.	CONSTANTINE, EZEKIEL GRAY-	Stirling Boiler Co., 58 Victoria St., S.W. [Stirlinico, London.]
1906.	CONWAY, GEORGE ROBERT	British Columbia Electric Rly. Co., Vancouver, B.C.
1886. G.) 1891. M.)	CONYERS, SIDNEY WARD	Public Works Dept., Sydney, N.S.W.
1874.	CONYERS, WILLIAM	N.Z. Chambers, 483 Collins St., Melbourne, Victoria.
1904.	Cook, Alfred Bickersteth	Brush Electrical Engineering Co., Electrical Federation Offices, Kingsway, W.C.
1906.	Соок, Јони	Kingsway, W.C.  Manager, Nairobi Engineering Works, Nairobi, British E. Africa.
1888.	Cook, John Joseph	The Hawthorns, Richmond Wood Rd., Bournemouth.
1904. A.M.) 1906. M.)	Cook, John Nicol	(Messrs. Barry, Henry & Co., 64 Mark
1902.	Cook, Reuben James	Lane, E.C. [Barrorum, London.] Messrs. John I. Thornycroft & Co., Woolston, Southampton.
1905.	COOK, WILLIAM HALL	Messrs. Spencer and Cook, Staly- bridge; and Rose Cottage, Stanley
1877.	COOPER, ARTHUR	Grove, Longsight, Manchester. Erdely, Middlesbrough.
1903. A.M.) 1905. M.)	COOPER, ARTHUR THOMAS	British Electrical Federation Offices, Kingsway, W.C.
1908.	COOPER, EDMUND LUCAS	Chief Mech. Eng., Messrs. J. & P. Coats, Ferguslie Mills, Paisley.
1898.	COOPER, HENRY	Hecla Works, Sheffield.
1891.	COOPER, MYLES	42 Deansgate, Manchester. (12 Coleman Street, E.C. [Annealed,
1905.	COOPER, ROBERT	London, 11234 Central.
1896. A.M. 1905. M.	COOPER, THOMAS	Metrop. Asylums Board, Victoria Embankment, E.C.; and Spring Valley, Beaconsfield Rd., St. Albans.
	,	

1892. A.) COOPER, THOMAS LANCELOT 1901. M.) REED	10 Gordon Road, Ealing, W.
1874. COOPER, WILLIAM	[Neptune Engine Works, Hull. [Neptune, Hull.]
1900.' Cope, Harry Charles	St. Kitts, Colindale, Hendon, N.W.
1885. COPPÉE, EVENCE	211 Ave. Louise, Bruxelles, Belgium.
1899. {Copperthwaite, Ralph Atkinson	Heaton Carriage & Wagon Works, N.E. Rly., Walker Gate, New- castle-on-Tyne.
1901. Corbett, Alexander John	Inverinate Villa, Attadale Road, Inverness.
1892. CORIN, PHILIP BURNE 1902. CORMACK, Prof. JOHN DEWAR	Anchor Foundry, Penzance. University College, Gower St., W.C.
1895. {Cornish, Eng. Captain EDWIN, R.N	
1881. Cosser, Thomas	McLeod Road Iron Works, Karachi, India.
1907. Coster, Arthur Vennell	Messrs. Crossley Bros., Openshaw, Manchester.
1910. COTTAM, GEORGE HENRY	Borough Electrical Eng., Hamp- stead Electricity Works, Lithos
1900. {Cotton, Charles Cathrow Carne	Rd., Finchley Rd., N.W. Belle Vue, Mount Pleasant Drive, Old Kilpatrick, Glasgow.
1896. COTTRELL, STEPHEN BUTLER	15 Rock Park, Rock Ferry, Birken-
1894. COTTRILL, JOHN ORMEROD	head. [34 Rock Ferry.] Bee Hive Works, Bolton.
	Messrs. Lindsay Burnet & Co.,
1895. COUPER, SINCLAIR	Moore Park Boiler Works, Govan, Glasgow. [Burnet, Glasgow. South Side 1513.]
1878. COURTNEY, FRANK STUART	25 Victoria St., Westminster, S.W.; and 38 Croxted Rd., Dulwich, S.E. [Escourre, Westminster. 39 Westminster.]
1899. COVENEY, WILLIAM CHARLES	Supt. Eng., Municipal Pumping Station, Singapore, Straits
	Settlements.
1902. A.M. 1904. M. COWAN, PERCY JOHN	23 Bedford St., Strand, W.C.
1896. Cowdell, Henry Charles	Cradley Boiler Works, Cradley Heath, S.O., Staffs. [Boiler, Cradley Heath.]
1893. A.M.) COWELL, JOHN RAY	P.O. Box 2141, Johannesburg, Transvaal.
1875. Cowen, Edward Samuel	Beck Works, Brook St., Notting- ham; and 1 Peveril Drive, The Park, Nottingham. [Cowen, Nottingham. 87.]
1902. A.M. 1909. M. COWEN, GEORGE HEPPLE	Managing Director, Messrs. George Turton, Platts & Co., Savile St., Sheffield.
1898. Cowens, William Edward	Sunnyside, Cullercoats, Northumberland.
1892. {Cowper - Coles, Sherard Osborn	Grosvenor Mansions, Victoria St., Westminster, S.W. [Zincking, London.]

and of Transfer.		
1906.	Cox, Frederick John	{212 Breeknock Road, Tufnell Park, N.
1888. G.) 1896. M.	Cox, Herbert Henry	22 Florence Terrace, Falmouth.
1897.	Сох, Јов	Corpn. Baths and Parks Depts., Kent St., Birmingham. [994.]
1904. A.M.) 1906. M.)	COZENS-HARDY, EDWARD HER-	The Hollies, Woolton, Liverpool.
1897. A.M.) 1905. M.)	CRAIG, ALEXANDER	Maudslay Motor Co., Parkside, Coventry.
1902. A.M.) 1907. M.)	CRAMB, ALEXANDER CHARLES	Croydon Corpn. Electricity Works, Factory Lane, Croydon. (Darnall Rly. Carriage, Wagon, and
1899.	Craven, John Alfred	Wheel Works, Sheffield; and Penrhyn House, Broomhall, Sheffield.
1894.	CRAVEN, WILLIAM H. S	Vauxhall Iron Works, Osborne St., Manchester. [Vauxhall, Man- chester. 659.]
1902. A.M.) 1906. M.)	CRAWFORD, GERALD WALKER	341 George St., Edinburgh. [1222 Central.]
1901.	CRAWFORD, JOSEPH	(2 Exchange St., Manchester. (Clinker, Manchester. 46.) (Amberley House, Norfolk Street,
1897.	CRAWFORD, WALTER WILLIAM	Strand, W.C. [Rotapulim, London. 5629 Gerrard.]
1898.	CREWE, HENRY THOMAS	17 Sunning Hill Rd., Lewisham, S.E.
1889.	CRIBB, FREDERICK JAMES	Messrs. Marshall Sons & Co., Britannia Iron Works, Gains- borough.
1897.	CRITCHLEY, JAMES SIDNEY	Carlton House, Lower Regent Street, S.W.
1904.	CROCKER, JOHN	19 Lockyer Road, Mannamead, Plymouth.
1903.	CROFT, FREDERICK LISTER	Messrs. Croft & Perkins, Ltd., Leeds Rd., Bradford. [Pulleys, Brad- ford. 3099 & 3100.]
1883.	CROFT, HENRY	Mount Adelaide, Victoria, B.C.
1899.	CROFTS, JOHN CHARLES THRUS-	P.O. Box 56, North Vancouver, British Columbia.
1878.	CROHN, FREDERICK WILLIAM	Roseneath, West Cliff Rd., Bourne- mouth.
1905. A.M.) 1910. M.)	Croll, James	15 Wellmeadow, Paisley.
1877.	CROMPTON, Colonel ROOKES EVELYN BELL, C.B	Arc Works, Chelmsford; and Thriplands, Kensington Court, W. [Crompton, Chelmsford.]
1898.	CRONIN, RICHARD	Loco. Supt., Dublin, Wicklow and Wexford Rly., Upper Grand Canal St., Dublin.
1881.	CROSLAND, JAMES FOYELL LOVELOCK	Chief Eng., Vulcan Boiler and General Insce. Co., 67 King St., Manchester.
1891.	CROSLAND, JOSEPH	Messrs. Seebohm & Dieckstahl, Dannemora Steel Works, Shef- field; and Stanley Avenue, Birk- dale, Southport.

1875.	CROSSLEY, Sir WILLIAM JOHN, Bart	Messrs. Crossley Brothers, Great Marlborough St., Manchester. [Crossleys, Openshaw.]
1900.	CROSTA, LORENZO WILLIAM	Clifton House, Musters Rd., West Bridgford, Nottingham.
1898.	CRUTTWELL, GEORGE EDWARD WILSON	Dartmouth House, 2 Queen Anne's Gate, Westminster, S.W. [Consilium, London, Westminster 248.]
1892. A.) 1902. M.)	CRYER, ARTHUR	10 Penywain Place, Roath Park, Cardiff.
1898.	Cullen, Peter John	(c/o Standard Bank of S. Africa, 10 Clement's Lane, Lombard St., E.C.
1889.	CULLEN, WILLIAM HABT	Castner-Kellner Alkali Co., Walls- end-on-Tyne.
1906.	Cuming, George	Messrs. Harland & Wolff, Belfast.
1901.	CUNNINGHAM, HUGH	Works Manager, Messrs. Samuelson & Co., Britannia Iron Works, Banbury.
1906. A.M.) 1908. M.)	CURGENVEN, Eng. Lieut. LEONARD WOODS, R.N.	H.M.S. "Foam," c/o Postmaster General, E.C.
1906.	CURRIE, GEORGE MACKAY	Ardeer Factory, Stevenston, S.O., Ayrshire. (Loco. Carr. and Wagon Supt., Mid.
1903.	CUSACK, HENRY EDWARD	G.W. Rly. of Ireland, Broadstone Station, Dublin.
1900.	CUTLER, ARTHUR EDWARD	Public Works Dept., Sydney, N.S.W. (Providence Iron Works, Millwall,
1887.	CUTLER, GEORGE BENJAMIN	E.; and 10 St. John's Park, Blackheath, S.E. [Cutler, Mill- wall. Eastern 59.]
1876.	CUTLER, SAMUEL	Messrs. Samuel Cutler & Sons, 39 Victoria St., Westminster, S.W.
1891. G. 1898. M.	CUTLER, SAMUEL, Jun	Messrs. Samuel Cutler & Sons, 39 Victoria St., Westminster, S.W.

1888.	Dadabhoy, Cursetjee	Bombay Foundry and Engine Works, Khetwady, Bombay; and Cumbala Hill, Bombay.
1894. A. 1901.	M.) Dadina, Hormuz Minocher	Messrs. St. Paul & Dadina,
1895.	Daintree, Thomas Ekins	Rand Club, Johannesburg, Trans- vaal.
1883.	D'Albert, Charles	15 Avenue Larcher, Chatou, Seine et Oise, France.
1890.	DALBY, Professor WILLIAM ERNEST	Central Technical College, Exhibition Rd., S.W.
1902.	Dale, John	Genl. Manager, Sunderland Forge & Engineering Co., Sunderland.
1893.	Dall, John	Messrs. Lamport and Holt, Fulton St. Works, Liverpool.

MEMBERS. 29

Date	of of	Ele	ectio	m
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eerd of Ti	entries.	
1881.	D'ALTON, PATRICK WALTER	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.
1910.	Dalziel, James	Taikoo Sugar Refining Co., Quarry Bay, Hong Kong, China.
1908.	DAMANT, Eng. Lieut. WALTER SANCROFT, R.N	H.M. Yacht "Victoria and Albert," Portsmouth.
1902.	DAME, JOHN MALVERN	Standard Oil Co. of New York, Bombay, India.
1899.	Dan, Takuma	Mitsui Mining Co., 1 Suruga-cho, Nihombashi-ku, Tokyo, Japan.
1909.	DANBY, CHARLES GEORGE HENRY	Carr. & Wagon Supt., East Indian Rly., Lillooah, Bengal.
1899.	Dania, George	110 Cannon St., E.C. (Messrs. Worthington & Co., The
1866.	Daniel, Edward Freer	Brewery, Burton-on-Trent; and 89 Derby St., Burton-on-Trent.
1866.	DANIEL, WILLIAM	Messrs. John Fowler & Co., Steam Plough and Loco. Works, Leeds; and Menston, Leeds.
1903.	Daniels, George	Oakdene, Hyde Rd., Gorton, Man- chester. 25 Victoria St., Westminster, S.W.
1888.	DARBISHIRE, JAMES EDWARD	[Escourre, London. 39 West-minster.]
1902.	DARLING, JOHN WILLIAM	Airedale Works, Keighley. (Messrs. Vickers, Sons & Maxim,
1905. 1908.	A.M. DARLINGTON, SEYMOUR NANCE	Caxton House, Tothill St., West- minster, S.W.
1878.	DARWIN, HORACE, F.R.S. (Life Member)	The Orchard, Huntingdon Rd., Cambridge.
1909.	DAVEY, ARTHUR	Messrs. Hobdell, Way & Co., St. John's House, 124-125 Minories, E.
1873.	{DAVEY, HENRY (Vice-Presi-) dent)	Conaways, Ewell, Surrey.
1906.	DAVIDS, SMITH WILLIAM	Mulgrave Central Mill, Nelson, North Queensland.
1890. 1894. 1896.	A.M. DAVIDSON, ALBERT	139 Norfolk St., Sheffield.
1901.	G. A.M. DAVIDSON, JAMES SAMUEL	Genl. Manager, Sirocco Engineering Works, Bridge End, Belfast. [Sirocco, Belfast. 327.]
1896. 1901.	A.M. DAVIDSON, JOHN MCKENZIE	General Contractor, Karachi, India.
1888.	DAVIDSON, SAMUEL CLELAND	Sirocco Works, Bridge End, Belfast. [Sirocco, Belfast. 327.]
1897.	Davies, Edmund Joseph	Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich.
1904. 1909.	A.M.) DAVIES, FREDERICK WILLIAM	Water Eng., Municipal Offices, St. Peter's Church Side, Nottingham.
1891.	DAVIES, JOHN HUBERT	P.O. Box 1386, Johannesburg,
1904.	Davies, Sidney	Messrs. Hayward, Tyler & Co., Luton.
1907. 1907.	A.M. DAVIS, HENRY WHITWORTH	Loco. Dept., Egyptian State Rlys., Cairo, Egypt.

1906.	Davison, John William	(Chief Mech. Eng., G.W. Colliery Co., Pontypridd.
1884.	Davison, Robert	Loco. Dept., Cal. Rly., St. Rollox, Glasgow; and 4 Edgefauld Ter- race, Springburn, Glasgow.
1908.	DAVY, BERNARD JOSEPH	Dewhurst's Engineering Co., Atter- cliffe Rd., Sheffield.
1892.	DAVY, WILLIAM JAMES	Sphere Engineering Works, St. Albans. [Voltargon, St. Albans.]
1901.	Dawson, Sir Arthur Trevor	Messrs. Vickers, Sons & Maxim, 32 Victoria St., Westminster, S.W.
1875. G.) 1890. M.)	Dawson, Edward	23 Park Place, Cardiff. [Mechani- cal, Cardiff.]
1907.	DAWSON, GEORGE PILKINGTON	Groton House, Boxford, Suffolk.
1896. A.M. 1899. M.	DAWSON, PHILIP	St. Stephen's House, Victoria Embankment, Westminster, S.W.
1896.	DAY, CHARLES	Bramhall House, Hazel Grove, Stockport.
1886.	DAYSON, WILLIAM OGDEN	1 Mount Street, Swansea.
		(45 Burlington Avenue, Kew
1880.	DEACON, RICHARD WILLIAM	Gardens, Surrey.
1900. G.) 1902. A.M.	DEACON, ROBERT DUGALD	Loco. Supt., Manila Rly. Co., Box 448, Manila, Philippine Islands.
1910. M.)		(Electric Supply Co. of Victoria,
1894.	Deakin, Benjamin Walter	Wendouree Parade, Ballarat, Victoria.
1903.	DEAKIN, WALTER	Messrs. H. W. Ward & Co., Lionel St., Birmingham.
1900.	(DEAN, FREDERIC WILLIAM	Royal Ordnance Factory, Royal
1900.	CHARLES	Arsenal, Woolwich. General Manager, Messrs. Knowles
1903.	Dean, Joseph	& Co., Globe Works, Bradford. [Machines, Bradford. 2132.]
1900.	DEEBLE, WILLIAM RUFUS	Loco. Supt., Tasmanian Govt. Rlys., Launceston, Tasmania.
1890.	DEELEY, RICHARD MOUNTFORD	Inglewood, Longeroft Avenue, Harpenden, Herts. Houndsditch, E. [Defries,
1889.	DEFRIES, WOLF	London.
1901.	DELLWIK, CARL	9½ Union Court, Old Broad St., E.C. (Managing Director, Messrs. Eddison
1904.	DE MATTOS, JOSEPH HILBERT	& De Mattos, Dorchester. [Eddi- son, Dorchester. 20.]
1900.	Denham, John	Electrician, Electric Light Dept., Cape Govt. Rlys., Cape Town, Cape Colony.
1882.	DENISON, SAMUEL	Hunslet Foundry, Leeds. [Weigh,
1892.	Dennis, George D	Leeds. Central 1238.] 26 Newton Rd., Bayswater, W.
1888.		General Manager, G.S. & W. Rly.,
1000.	DENT, CHARLES HASTINGS	Island Bridge, Dublin. Messrs. Cammell Laird & Co.,
1903.	DEWAR, JAMES MCKIE	9 Victoria St., Westminster, S.W.

1895.	DEWHURST, JOHN HENRY	Messrs. John Dewhurst & Son, Attercliffe Rd., Sheffield. [1614.]
1899.	Dewrance, John	165 Great Dover St., S.E.; and Cranmore Place, Chislehurst.
1891.	Dick, John Norman	(Rosslyn, 12 Hope Place, Levenhall, Midlothian.
1903.	DICKEN, ROBERT CHRISTIAN JOHN	44 Derwentwater Rd., Acton, W.
1890.	Dickinson, Alfred	Central House, New St., Birmingham. [Traction, Birmingham. 1823.]
1894. A.M.) 1899. M.)	DICKINSON, HAROLD	Manager, Electric Lighting Dept., Whitehall Rd., Leeds. [Elec- tricity, Leeds. Central 1013.]
1891.	Dickinson, James Clark	Palmer's Hill Engine Works, Sunderland.
1892.	DICKINSON, RICHARD HENRY	Loco. Supt., B'ham. Central Tram- ways, Kyotts Lake Depôt, Bir- mingham.
1910.	Dickson, Norman	Messrs. Lacy-Hulbert & Co., Boreas Works, Beddington, Surrey.
1905. A.M.)	DIVECHA, RAMCHUNDRA	Manufacturing Co., Sugar Lane,
1909. M.	NURSEY	Ahmedabad, India.
1898.	DIXON, WALTER	38 Bath St., Glasgow. [Fresco, Glasgow. 3656.]
1897.	DIXON, WALTER FRANK	Kompanaya Singer, Podolsk, Moscow Govt., Russia.
1896.	Dobson, Adam	8 Balmoral Bldgs., 44 Wellington Place, Belfast.
1910.	Dobson, Joseph Henry	Town Electrical Eng., P.O. Box 699, Johannesburg, Transvaal.
1899.	Dobson, Sydney Thornton	Chief Eng., St. James's and Pall Mall Electric Light Co., 19 Car- naby St., Golden Sq., W. [Fuller- esco, London. Gerrard 5082.]
1880.	Dodd, John	Messrs. Platt Brothers & Co., Hartford Iron Works, Oldham.
1889.	Dolby, Ernest Richard	8 Princes St., Westminster, S.W. [782 Victoria.]
1898. A.M.) 1903. M.)	Donald, David Boswell	28 Vanbrugh Hill, Blackheath, S.E.
1898.	DONALDSON, HAY FRED- ERICK, C.B. (Vice-Presi- dent)	Chief Supt., Ordnance Factories, Royal Arsenal, Woolwich; and Wood Lodge, Shooter's Hill, Kent.
1903.	Donaldson, Peter	84 Drayton Gardens, West Brompton, S.W.
1895.	Donkin, Habry Julyan	Bryan Donkin Co., Parliament Mansions, Victoria St., West- minster, S.W.
1902.	DONOHUE, Major WILLIAM EDWARD, A.S.C	Chief Inspector of Mechanical Transport, Aldershot; and St. Ives, South Farnborough, Farn- borough.
1891.	Donovan, Edward Winne	Broughton Bridge Iron Works, Salford, Manchester. [Dazzle, Manchester. 3404.]

Data	-5	Election
Date	OI	FIECTION
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1904. A.M.)	Douglas, Charles Edward	Messrs. Douglas & Grant, Dunni-
1909. M.		( Mist Foundry, Mirkealdy.
1903.	Douglas, George Cameron	
1909. 1898. A.M.\	Douglas, James Thomas	11 Dale St., Liverpool. (1 Fenchurch Avenue, E.C. [Block-
1902. M.)	Douglas, William James	ading, London.
1887.	DOUGLASS, WILLIAM TREGA	GAR- 15 Victoria St., Westminster, S.W.
		(Redbourn Hill Iron and Coal Co.,
1873.	Dove, George	Frodingham, Doncaster [Red- bourn, Frodingham.]; and Birst- with Hall, Birstwith, Leeds.
1903.	Dove, John Charles	Messrs. Cowans, Sheldon and Co., St. Nicholas Works, Carlisle. [St. Nicholas, Carlisle.]
1900.	Dow, James William	Carr. and Wagon Dept., N.E. Rly., York.
1907.	Downs, Charles Stephen	1 Marine Villas, Dover.
1881.	Dowson, Joseph Emerson	39 Victoria St., Westminster, S.W.
	, contract and	( [Gaseous, Lonaon.]
1880.	DOXFORD, ROBERT PILE	Pallion Shipbuilding and Engine Works, Sunderland.
1900. A.M.)	D	(111 Wallact Dood Old Trafford
1910. M.	Drake, Arthur James	·· ( Manchester.
1000	D 1	64 Victoria St., Westminster, S.W.
1899.	Drew, Alexander	{ [Fabricatum, London. 5968]
1895. A.M.)	-	[ Westminster.]
1904. M.	Dronsfield, James	Atlas Works, Oldham.
1896.	DRONSFIELD, WILLIAM	Sandiway Lodge, near Northwich.
1886.	Drugger Dragge	Chief Mech. Engineer, L. and S.W.
1000.	DRUMMOND, DUGALD	Rly., Eastleigh Loco. Works, Hants.
1898.	Dayses Come W.	Claggor Ply Engineering Co
	DRUMMOND, GEORGE WILLI	Helen St., Govan, Glasgow.
1898.	DRUMMOND, PETER	Loco. Supt., Highld. Rly., Inverness.
1900.	DRYDEN, ALBERT	H.M. Mint, Calcutta, India.
1896.		
	DRYDEN, THOMAS	Grimshaw Street Foundry, Preston.
1005		(Grimshaw Street Foundry, Preston.
1885.	Dryden, Thomas  Duckering, Charles	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane,  Lincoln.
1885. 1900.		Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun,
1900.	DUCKERING, CHARLES DUDIN, HENRY WILLIAM	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane,  Lincoln.  Messrs. Yarrow & Co., Scotstoun,  Glasgow.
	Duckering, Charles	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51] South John St., Liverpool.
1900. 1901.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES	Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  [Vulcan Rolling Mills, Bridge St.
1900. 1901.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birming-
1900. 1901. 1868. G.) 1893. M.)	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane,  Lincoln.  Messrs. Yarrow & Co., Scotstoun,  Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St.  West, Summer Lane, Birmingham.]
1900, 1901, 1868, G., 1898, M., 1895, A.M.,	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane,  Lincoln.  Messrs. Yarrow & Co., Scotstoun,  Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St.  West, Summer Lane, Birmingham.  [Vulcan, Birmingham.]  British Thomson-Houston Co.,
1900. 1901. 1868. G.) 1893. M.)	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.  [Vulcan, Birmingham.]  British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Rom-
1900. 1901. 1868. G. 1893. M.) 1895. A.M. 1908. M.)	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.  West, Summer Lane, Birmingham.  British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E.
1900. 1901. 1868. G. 1893. M.) 1895. A.M. 1908. M.) 1901. A.M.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT  DUNCAN, JOHN	Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.] Ann. [Vulcan, Birmingham.] British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E. Asst. Supt. (Mechanical), South
1900. 1901. 1868. G. 1893. M. 1895. A.M. 1908. M. 1901. A.M. 1908. M.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT	Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.] British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E. Asst. Supt. (Mechanical), South African Rlys., Cape Town, Cape
1900. 1901. 1868. G. 1893. M. 1895. A.M. 1908. M. 1901. A.M. 1908. M. 1895. A.M. 1905. M.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT  DUNCAN, JOHN  DUNCAN, WILLIAM	Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.  British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E.  Asst. Supt. (Mechanical), South African Rlys., Cape Town, Cape Colony.
1900. 1901. 1868. G., 1893. M., 1895. A.M., 1908. M., 1901. A.M., 1908. M., 1895. A.M.,	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT  DUNCAN, JOHN	Grimshaw Street Foundry, Preston. [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham. [Vulcan, Birmingham.]  British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E. Asst. Supt. (Mechanical), South African Rlys., Cape Town, Cape Colony.
1900. 1901. 1868. G. 1893. M. 1895. A.M. 1908. M. 1901. A.M. 1908. M. 1895. A.M. 1905. M.	DUCKERING, CHARLES  DUDIN, HENRY WILLIAM  DUFF, EDWARD JAMES  DUGARD, WILLIAM HENRY  DUMAS, ROBERT  DUNCAN, JOHN  DUNCAN, WILLIAM	Grimshaw Street Foundry, Preston.  [36.]  Water Side Works, Rosemary Lane, Lincoln.  Messrs. Yarrow & Co., Scotstoun, Glasgow.  [51 South John St., Liverpool.  [Apparatus, Liverpool. 7765.]  Vulcan Rolling Mills, Bridge St. West, Summer Lane, Birmingham.  [Vulcan, Birmingham.]  British Thomson-Houston Co., Rugby.  Munic. Technical Institute, Romford Rd., West Ham, E. Asst. Supt. (Mechanical), South African Rlys., Cape Town, Cape Colony.  Imperial Chambers, Bowlalley

1911.	MEMBERS.	33
Date of Election and of Transfer.		
1890.	DUNN, HUGH SHAW	Engineer, Caprington Collieries,
	DUNN, JAMES	Kilmarnock. Greylands, Blackheath, S.E.
1895 AM) -	DUNN, MATTHEW	Corpn. Gas Works, Stockton-on- Tees.
,	-	Chief Loco., Carr. and Wagon
1907.	Dunstan, Edwin James	Supt., Shanghai-Nanking Rly., Woosung, China.
1899.	DURSTON, Eng. Vice-Admiral Sir Albert John, K.C.B	St. Andrews, Westcombe Park Rd., Blackheath, S.E.
1886. G.)	DUVALL, CHARLES ANTHONY	Great Haseley, Oxon., Wallingford.
		Loco., Carr. and Wagon Supt.,
1904.	Dykes, Arthur John	Mauritius Govt. Rlys., Central Rly. Stn., Port Louis, Mauritius.
1865.	Dyson, Robert	Rother Iron Works, Rotherham.
		(Eng. & Loco. Supt., B. P. & G. V.
1904.	EAGER, JOHN	Rly. & Docks, Burry Port; and Caehelyg, Burry Port, R.S.O., Carmarthenshire.
1904.	EASTWOOD, WILLIAM	4 Beechwood Grove, Cardigan Lane, Leeds.
1888.	EATON-SHORE, GEORGE	Boro' Eng., Temple Chbrs., Crewe.
1908.	EBORALL, ALFRED CECIL	The Highlands, Lampton, Hounslow.
1896.	EBORALL, CORNELIUS WILLES	Dist. Loco. Supt., E.I.Rly., Jamalpur, India.
1897. A.) 1898. M.)	ECHEVARRI, JUAN THOMAS	British Aluminium Co., 109 Queen Victoria Street, E.C.
	ECKART, WILLIAM ROBERTS	3014 Clay St., San Francisco, Cal., U.S.
1886.	Ede, Francis Joseph	Messrs. Ede Bros., Silchar, Cachar, India.
1892. G.) 1893. A.M.)	EDGCOME, JAMES EDMUND	Boro' Electrical Eng., Kingston-on-
1898. M.		Thames.
1903. {	JAMES, A.O.D	Park Villa, Westcombe Park, S.E.
1900.	EDWARDS, ALBERT EDWARD ALEXANDER	{105 Colmore Row, Birmingham. [10 X.]
1877.	EDWARDS, FREDERICK	62 Bishopsgate St. Within, E.C.
1891. G.) 1895. A.M.	EDWARDS, HERBERT FRANCIS	Messrs. Forster, Brown & Rees, Guildhall Chbrs., Cardiff.
1898. M.) 1885. G.)		(Pacific Phosphate Co., Collins St.,
1895. M.)	Edwards, Walter Cleeve	Melbourne, Victoria. 21 Old Queen St., Westminster,
1896.	EKIN, TOM CHARLES	( S.W.
1899.	Elford, Ernest John	Sea.
1888.	ELLERY, HENRY GEORGE ELLINGTON, EDWARD BAY-	7 Fernbank Rd., Redland, Bristol. (Palace Chbrs., 9 Bridge St., West-
1875.	ZAND (President)	minster, S.W.

1892.	ELLIOTT, Professor ARCHIBALD	Univ. Coll. of S. Wales and Mon-
1895.	CAMPBELL, D.Sc ELLIOTT, GEORGE	mouthshire, Cardiff. 131 Limestone Rd., Belfast.
1901.	Ellis, Arthur	Eng. and Manager, Corpn. Electric Light and Tramway Depts., The
2001,	Limis, militaria.	Hayes, Cardiff.
1895.	ELLIS, ARTHUR DEVONSHIRE	Managing Director, Messrs. Thwaites Bros., Vulcan Iron
	,	Works, Bradford.
1898. A.M.) 1904. M.		Invicta Works, St. Peter St., Maid- stone [Jesse Ellis, Maidstone. 2.];
1304. M.,		and Burnside, Norwood Rd., S.E.
1901.	ELLIS, REGINALD EATON	[Patent, London. Holborn 243.]
1000	7. 7. 7	Works Manager, Westinghouse Brake Co., 82 York Rd., King's
1900.	Elmer, Joseph John	Cross, N.; and Ethelmar House,
		Waverley Rd., Crouch End, N. General Works Manager, Egyptian
1897.	Elsworth, John Francis	Salt and Soda Co., Alexandria, Egypt.
1910.	ELVY, THOMAS ELVY	Controller's Dept., Admiralty, S.W.
1890.	ENGLISH, LtColonel THOMAS, R.E., ret.	Bagdale House, Whitby.
1894.	ENGLISH, THOMAS MATTHEW	Eastonville, Horeham Road, Sussex.
1894.	Ennor, Charles John	Hollywood, Liskeard. (Thane Works, Fountayne Rd.,
1900, A.M.) 1906, M.	Enock, Arthur Guy	Broad Lane, Tottenham, N. [Icerimus, London. 63 Totten-
1900. 111.)		[ ham.]
1897. A.M.) 1904. M.)		Mumford's Chbrs., Stanley Avenue, Salisbury, Rhodesia.
1901.	ERICHSEN, FREDERIK OLE	Messrs. Simpson & Co., 101 Gros-
2002		\ venor Rd., Pimlico, S.W. \(\)(Chief Eng., English Sewing Cotton
1907.	ERMEN, BERNHARD GODFREY	Co., National Bldgs., The Parsonage, Manchester.
1890.	Esson, John	(Chatteris Engineering Works, Chat-
		teris, S.O., Cambridgeshire. (39A King William St., London
1884.	ETHERINGTON, JOHN	Bridge, E.C.
1910. 1906.	Evans, David Edward Evans, David Llewellin	Messrs. Ralli Bros., Calcutta, India. 120 Bute St., Cardiff.
		(Deputy Genl. Manager, Messrs.
1906.	Evans, John	Guest, Keen & Nettlefolds, Dowlais Iron Works, Dowlais.
1907.	Evans, Lewis	96-98 Leadenhall St., E.C.
1904. A.M.	Evans, Malcolm Thomas	51 Queen Sq., Bristol.
1905.	EVERETT, Professor WILFRED HERMANN	Sibpur Engineering Coll., Howrah, Bengal.
1005		(Messrs. Thomas Piggott & Co.,
1887.	EVERITT, NEVILL HENRY	Atlas Works, Birmingham; and Bonehill House, Tamworth.
		Genl. Manager, Messrs. Manning,
1897.	EVERS, JOSEPH HENRY	Wardle & Co., Boyne Engine Works, Hunslet, Leeds. [Man-
		( ning, Leeds.]

		(H M Ingrestor of Schools (Science
1894. A.M.) 1896. M.)		(H.M. Inspector of Schools (Science and Art) for N. Divn. of Scotland: 104 King's Gate, Aberdeen.
1891.	{EWING, JAMES ALFRED, C.B., LL.D., F.R.S	Froghole, Edenbridge. [Ewing, Crockham-Hill.]
1890.	EXTON, GEORGE GASKELL	Messrs. Chubb & Son, 128 Queen Victoria St., E.C.
1881.	FARRAR, SIDNEY HOWARD	4 London Wall Buildings, E.C. (Chief Eng. and Manager, Corpn.
1901.	FEDDEN, SAMUEL EDGAR	Electric Supply Dept., Com- mercial St., Sheffield.
1882.	FEENY, VICTOR ISIDORE	60 Queen Victoria St., E.C. [Victor Feeny, London.]
1899.	FEETHAM, МАВК	London Electric Supply Corpn., Stowage Wharf, Deptford, S.E. (Chief Officer, L.C.C. Tramways,
1901,	{Fell, Aubrey Llewellyn Coventry	62 Finsbury Pavement, E.C.; and Long Wall, Walton-on- Thames.
1876.	FELL, JOHN CORRY	1 Queen Victoria St., E.C. [Lode-stone, London. 317 Bank.]
1892.	FENWICK, JAMES	[19 Bridge St., Sydney, N.S.W. [1038.]
1908.	Ferguson, James Strathearn	Messrs. Alex. Findlay & Co., 9 Victoria St., Westminster, S.W.
1907. 1903. A.M.) 1909. M.)	FERGUSON, MEPHAN FERGUSON, RUSSELL FORRESTER	Gordon St., Footscray, Victoria.  Boro' Electrical Eng., Hastings  Corpn., Earl St., Hastings.
1881.	FERGUSON, WILLIAM	199 Hill St., Wellington, New Zealand.
1896.	FERGUSON, WILLIAM DEEBLE	3 Mount Delphi, Antrim Rd., Belfast.
1900.	FERRANTI, SEBASTIAN ZIANI DE	Grindleford Bridge, Sheffield.
1909.	FERRIER, Professor ROBERT	The Oniversity, Dristol.
1906. 1874.	FIELD, BASIL KINGSFORD	16 Chatsworth Rd., Brighton. (Atlas Iron Works, Gloucester,
1891.	FIELDING, JOHN	[Atlas, Gloucester.]
1902. A.M.)	FINLAYSON, FINLAY	Atlas Works, Airdrie.  Messrs. Howarth, Erskine Ltd
1905. M.)	FINNIE, WILLIAM	Singapore, Straits Settlements.
1899.	FIRTH, AMBROSE	Messrs. Walker, Eaton & Co., Wicker Iron Works, Sheffield. [Founder, Sheffield. 373.]
1897.	FISH, SYLVESTER ROBERT	Messrs. Fish & Co., Park Road, Wellingborough.
1888.	{FITZGERALD, MAURICE FRED-}	32 Eglantine Avenue, Belfast.
1902.	( C.M.G	Chief Eng., L.C.C., Spring Gardens, S.W.
1877.	FLANNERY, Sir JAMES FORTES- CUE, Bart., M.P	9 Fenchurch St., E.C. [Avenue 338.]
1898. A.M.) 1905. M.)	FLETCHER, HAROLD CLARKSON	Messrs. Johnson & Fletcher, P.O. Box 224, Bulawayo, Rhodesia.

1892. G. 1894. A.M. 1906. M.	FLETCHER, JOSEPH ERNST	Messrs. N. Hingley & Sons, Netherton Iron Works, Dudley.
1902.	FLETCHER, WILLIAM	Ovingham House, Beech Grove, Whickham, Co. Durham.
1902. A.M. 1905. M.		Govt. Model Workshops, Boulac, Cairo, Egypt.
1901.	FLINDT, ERNEST JUST	{Morel's Chambers, Cardiff. [Shaft, Cardiff.]
1903.	FLOCKTON, BENJAMIN PERCY	Messrs. Manlove Alliott & Co., Nottingham.
1908.	FOORD, JOHN KILBY	Kinaston Works, Oakley St., Lambeth, S.E.
1882.	FORBES, DAVID MONCUR	The Gables, Cults, Aberdeen.
1895. A.M. 1902. M.		Lumpor, Malay Peninsula.
1882.	FORBES, WILLIAM GEORGE	Chief Mechanical Eng., H.M. Mint,
1002,	LOUDON STUART	( Calcutta.
1899.	FORD, THOMAS WHARTON	[15 Victoria St., Westminster, S.W. [3400 Gerrard.]
1902.	FORREST, PETER	Messrs. Price, Wills & Reeves, Contractor's Office, Bombay.
		Eng., Newcastle and Gateshead
1888.	FORSTER, ALFRED LLEWELLYN	Water Works, Newcastle-on- Tyne.
1889.	(Foster, Herbert Anderton	Black Dike Spinning Mills, Queens-
1884.	(Life Member) FOSTER, JOHN SLATER	bury, Bradford. 39 Bloomsbury St., Birmingham.
1896. A.M.)		(Chief Mech. Engineer, Midland
1897. M.	FOWLER, HENRY	Rly., Derby.
1898. A.M.) 1904. M.)	FOWLER, PERCY MERWOOD	P.O. Box 1876, Johannesburg, Transvaal.
1894.	FOWLER, ROBERT HENRY	Steam Plough and Loco. Works, Leeds. [Fowler, Leeds.]
1906.	FOWLER, THOMAS WALKER	421 Collins St., Melbourne, Victoria.
1885.	FOWLER, WILLIAM HENRY	53 New Bailey St., Manchester; and Sale Lodge, Sale, Manchester.
1900.	Fox, Charles Heyland	Alderman's House, Bishopsgate, E.C.
1866.	Fox, Sir Douglas	Cross Keys House, 56 Moorgate St., E.C.
1901. A.M.)	For France Town	Messrs. Stewarts & Lloyds, Win-
1910. M.	Fox, Edmund John	chester House, Old Broad St., E.C.
1899. A.M.) 1904. M.)	Fox, Henry Shoolbred	Messrs. G. J. Worssam & Son, Wenlock Rd., City Rd., N. [Massrow, London. King's Cross 677.]
1901.	Fox, WILLIAM	Mech. Eng., Manchester Ship Canal Co., 41 Spring Gardens, Man- chester. [688 and 1077.]
1905.	Fox, William	5 Victoria St., Westminster, S.W.
1884.	Frampton, Edwin	Hatcham Iron Works, Pomeroy St., New Cross Rd., S.E. [Oxygen,
		London.]
1885.	Franki, James Peter {	Mort's Dock and Engineering Co., Mort's Bay, Sydney, N.S.W.
		Chief Electrical Eng., Bengal-
1902.	FRANKLIN, EDWARD STANLEY	Nagpur Rly., Khargpur, Midna- pur, Bengal.
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and of Transfer.		
1899.	FRASER, PATRICK	Westburn Foundry, Arbroath.
1909.	FRASER, SAMUEL EDGER	Suptg. Eng., Waihi Gold Mining Co., Waikino, New Zealand.
1906.	FRY, LAWFORD HOWARD	64 Rue de la Victoire, Paris.
1900.	Fujii, Eng. Rear Admiral { TERUGORO, I.J.N.	Engineering Dept., Admiralty, Tokyo, Japan.
1891.	FULLER, CHARLES FREDERICK	(F. C. Sud, Via y Obras, Plaza Constitucion, Buenos Aires, Arg. Rep. (Albion Motor Car Co., South St.,
	Fulton, Norman Osborne	Scotstoun, Glasgow; and Balla- geich, South Brae Drive, Scots- tounhill, Glasgow.
1897. A.M.) 1901. M.)	FURNESS, CHARLES	Boro' Electrical and Tramway Eng., Electricity Dept., Blackpool.
1906. A.M.) 1911. M.	Fyfe, John Walker	Metrop. Asylums Board, Victoria Embankment, E.C.
1908.	FYVIE, WILLIAM	34 Queen St., Melbourne, Victoria.
1890.	GADD, WILLIAM	Dist. Loco. Supt., G.S. and W. Rly., Limerick.
1909.	GADSBY, CHARLES HERBERT	20 Victoria St., Westminster, S.W.
1906.	Gall, Alexander	Royal Stuart Buildings, Cardiff. (Staveley Coal and Iron Co., Chester-
1898.	Gandy, Frederick	field.
	GANGA RAM, Rai Bahadur, C.I.E	Superintending Engineer, Patiala, India.
1910.	GARDNER, JOHN CAMPBELL	Holme Lea, North Ormesby, Middlesbrough.
1899.	GARDNER, WILLIAM	Vauxhall and West Hydraulic Engineering Co., 45 Leadenhall St., E.C. [Vaporiform, London. Avenue 800.]
1900. A.M. 1907. M.	GARLAND, FREDERICK JOSEPH	Genl. Mangr., Water Works, Frim- ley Green, Farnborough, Hants.
1891.	GARRARD, CHARLES RILEY	45 St. Kilda Rd., West Ealing, W.
1899. 1901. A.M.)	GARRARD, GEORGE MINGAY	Broseley, Shropshire.  (Messrs. Jacobs & Barringer, 78
1908. M.)	GARRATT, ERNEST ALBERT	Gracechurch St., E.C.
1902.	GARRATT, HERBERT WILLIAM	Messrs. Beyer Peacock & Co., Gorton Foundry, Manchester.
1896. A.M.) 1905. M.)	GARRATT, JAMES HERBERT	Genl. Manager, Singapore Electric Tramways Co., Mackenzie Rd., Singapore, Straits Settlements.
1882.	GARRETT, FRANK	Leiston Works, Leiston, R.S.O. Suffolk. [Garrett, Leiston.]
1898. A.M.)	Gass, John	Engr's. Office, The Tower Bridge,
1901. M. 5 1900. A.M.)	(ASS, 00III	S.E. [Hop 922.]
1906. M.	Gaston, Alfred Benjamin	Taku Tug and Lighter Co., Taku, North China.
1894.	GATEHOUSE, TOM ERNEST	14 Ludgate Hill, E.C. [Ageekay, London. Holborn 933.]
1901. A.M.) 1909. M.	GAWTHORNE, WILLIAM ARTHUR	Kohinoor Mills Co., Bombay,
1888.	GAZE, EDWARD HENRY JAMES	170 Prospecthill Rd., Victoria
1902.	Gebbie, John	Drive, Mount Florida, Glasgow. Messrs. Howarth Erskine and Co., Singapore, Straits Settlements.
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1888.	Geddes, Christopher	10 Drury Lane, Water St., Liverpool. [Graccius, Liverpool.]
1903. A.M. 1908. M.	GEE, THOMAS JOHN	Suptg. Eng., Messrs. Agar, Cross & Co., 136 Calle Defensa, Buenos Aires, Arg. Rep.
1903.	GELLING, JOHN WELSBY	Apartado 593, Mexico City, Mexico. (Consulting Eng., Messrs, A.
1880.	GEOGHEGAN, SAMUEL	Guinness Son and Co., St. James' Gate Brewery, Dublin; and 17 Westland Row, Dublin.
1908.	GEREBIATEFF, Colonel JOHN THEODORE, I.R.A	Ockhta Gunpowder Works, St. Petersburg, Russia.
1896.	GERMAN, WALTER HUSSEY	Colonial Sugar Refining Co., O'Connell St., Sydney, N.S.W.
1898. G. 1905. A.M. 1908. M.	GIBB, MAURICE SYLVESTER	(Central Marine Engine Works, West Hartlepool.
1871.	GIBBINS, RICHARD CADBURY	Berkley St., Birmingham. [Gibbins, Birmingham.]  [240 Calle Acevedo, Lomas de
1904.	GIBBONS, WILLIAM FREDERICK	Zamora, F.C.S., Buenos Aires, Arg. Rep.
		(Messrs. Brown Brothers and Co.,
1901.	GIBBONS, WILLIAM GREGORY	Rosebank Iron Works, Edinburgh.
1902.	GIBBS, GEORGE JAMES	7 Lune St., Preston. [114.]
1901.	Gibbs, John Henry	Britannia Iron Works, Observatory, Cape Town, Cape Colony. Lancs. and Yorks. Rly. Offices,
1906.	GIBSON, DAVID	Horwich, Lancs.
1909.	GIBSON, GEORGE ARTHUR	(c/o Messrs. Thos. Cook & Son,
1900. A.M. 1910. M.	GIRSON GRODGE HENDY	Bombay, India.  4 Boleyn Rd., Pollokshields, Glasgow.
	(GIBSON-SUGARS, Eng. Com-	(c/o of Messrs. Cammell Laird and
1899.	mander John Sugars, R.N.	Co., Birkenhead.
1883.	GILCHRIST, PERCY CARLYLE, F.R.S. (Life Member)	Frognal Bank, 250 Finchley Road, N.W.
1898.	GILES, BENJAMIN	Divl. Supt., G.W.R., Newton Abbot.
1900. A.M.	Greens Append Hawing	Genl. Mangr., Messrs. W.G. Bagnall,
1904. M.		Castle Engine Works, Stafford. Engine Works, Vulcan St., Leices-
1884.	Gimson, Arthur James	ter. [Gimson, Leicester. 6.]
1881.	GIBDWOOD, WILLIAM WALLACE	12 Cowly Rd., Cranbrook Park, Ilford.
1896. A.M. 1906. M.		{17 Water St., Liverpool; and 4 Hargreaves Rd., Liverpool.
1896.	(GLASGOW, ARTHUR GRAHAM)	
1898.	GLEN, DAVID CORSE	46 Queen Victoria Street, E.C.
		(Studley Villas, Bramhall, Stock-
1905.	Godfrey, Arthur Samuel	port. (Beaconhill Park, Hindhead, Hasle-
1880.	GODFREY, WILLIAM BERNARD	mere, Surrey.
1877.	GOODBODY, ROBERT	Clashawaun Jute Factory, Clara, Moate, Ireland.
1908.	GOODCHILD, WALTER CUL-	Chief Mech. Engineer's Dept., Midland Rly., Derby.
1875.	GOODFELLOW, GEORGE BEN	The Lowe, Buglawton, Congleton.

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				(Supt. Eng., Companhia Edifica-
1901.		GOODIER, FRANK		dora, Quinta do Caju, Rio de
		,		Janeiro, Brazil.
1890.		GOODMAN, Professor Joh	N	The University, Leeds.
1889.		GOOLD, WILLIAM TOM		Zetland Chbrs., King St.,
20001		doold, William Iom	•• ••	Gloucester.
				Marine Supt., China Manilla Steam-
1901.		GORDON, ALEXANDER GE	ANT	ship Co., Hong Kong; and c/o
		,		Messrs. Shewan, Tomes and Co.,
				Hong Kong, China.
1902.		GRAHAM, CHARLES KNOT	т	(c/o Messrs. R. M. Alexander & Co., 24 Coleman St., E.C.
1898	A.M.)	,		(133 Kenilworth Court, Putney,
1904.	M.	GRAHAM, HUBERT BERGI	EB	S.W.
1901.	212.)	GRAHAM, JESSE		Craggwood House, Horsforth, Leeds.
	A.M.)			
1896.		Graham, Maurice	••	115 Ashley Gardens, S.W.
1896.		GRAHAM, ROBERT		Ponce, Porto Rico.
				(Managing Director, Messrs. John
1900.	A.M.)	GRAHAM, WALTER		Hastie and Co., Kilblain Engine
1905.	M.)	ORAHAM, WALLER	• • • •	Works, Nicholson St., Greenock.
				[Hastie, Greenock. 133.]
1000		C		5 Queen Anne's Gate, Westminster,
1900.		GRAHAM, WILLIAM VAUX	•••	S.W. [Grallator, London. West-
				[ minster 656.] [c/o C. A. MacDonald, Hercules
1904.		GRANGE, ROBERT BURNS		Refrigeration, 63 Pitt St., Sydney,
1304.		GRANGE, ROBERT DURNS	••	N.S.W.
		_		Dunnikier Foundry, Kirkcaldy.
1900.		Grant, Lewis		[Douglas, Kirkcaldy. 105.]
1886.	G.)	C D		(519 B. Mitre, 2º Piso, Buenos Aires,
1892.	M. )	GRANT, PERCY	• • • • • • • • • • • • • • • • • • • •	Arg. Rep.
1896.	A.M.)	GRAY, ALEXANDER CUTH	TT T.	Rock Bank House, Hunter's Quay,
1901.	M. 5			Kirn, S.O., Argyllshire.
1891.		GRAY, GEORGE MACFA	RLANE	Board of Trade Surveyors' Office,
				Cork.
1905.		GRAY, JAMES	/T : 6-	47 Polwarth Gardens, Edinburgh.
1879.		GRAY, THOMAS LOWE		The Manse, Babbacombe Rd.,
	,	( Member)		(Estacion los Talleres, F.C. del Sud.
1900.		GREAVEN, ANDREW AUGU	STINE	Buenos Aires, Arg. Rep.
				(Buenos Aires Great Southern Rly.,
1898.		GREAVEN, LOUIS		Plaza Constitucion, Buenos
				Aires, Arg. Rep.
1902.		GREAVES, WILLIAM		28 Bond Street, Leeds. [1195.]
1861.		GREEN, Sir EDWARD, Ba	rt	Phœnix Works, Wakefield.
				(Managing Director, Messrs. R. &
1903.		GREEN, EDWARD WILLIA	м	H. Green, Blackwall Yard, Black-
		,		wall, E. [Green, Blackwall,
				[ London. 203 Eastern.]
1907.		GREEN, HENRY		Supt., Lloyd's Proving House,
1001				Messrs. Steel, Peech & Tozer, The
1901.		GREEN, THOMAS		Ickles, Rotherham.
				(Messrs. Thomas Green & Son.
1893.		Gramer Western De	-	Smithfield Iron Works, Leeds.
1090.		GREEN, WILLIAM PENBO	SE	[Smithfield, Leeds. Central
				[ 158.]

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Date of Election and of Transfer.

and of Transfer	•	
1901.	GREENHILL, THOMAS ARTHUR	( TEHO.
1907.	GREIG, JAMES SIME	Britannia Engine & Boiler Works, East Dock St., Dundee.
1892.	Gresham, Harry Edward	Craven Iron Works, Salford, Man- chester. [Brake, Manchester. 613.]
1880.	Gresham, James	Craven Iron Works, Salford, Manchester. [Brake, Manchester. 613.]
1907.	Gresley, Herbert Nigel	Carr. and Wagon Supt., G.N.R., Doncaster.
1905.	GREW, FREDERICK WILLIAM	Victoria House, Meriden Street, Coventry.
1895.	GRIFFITH, PERCY	54 Parliament St., Westminster, S.W.
1908.	GRIFFITH, THOMAS HENRY	3 Avenue Pasteur, Algiers.
1873. A.) 1874. M.)	Griffiths, John Alfred	Patent Office, Melbourne, Victoria.
1900. A.M.) 1902. M.)	GRIFFITHS, WILLIAM JOHN	Genl. Manager, Messrs. McKenzie & Holland, Semaphore Iron Works, Newport, Melbourne, Victoria.
1907.	GRIGGS, WILLIAM JAMES	107 Alcester Rd., King's Heath, Birmingham.
1906.	Grimshaw, George William	Managing Director, Messrs. Peter Pilkington, Dowry Iron Works, Bamber Bridge, Preston.
1889.	GRIMSHAW, JAMES WALTER	St. Stephen's Club, Westminster, S.W.
1906.	GRINDLEY, JOHN HENRY, D.Sc.	Principal, Govt. Engineering School, Ghizeh, Cairo, Egypt.
1898.	Grover, Frederick	Forgrove Machinery Co., Admiral St., Dewsbury Rd., Leeds. [For- grove, Leeds. 743.]
1907.	GROVES, WILLIAM RICHARD	Supt. Eng., G.N. Steamship Fishing Co., St. Andrew's Dock, Hull.
1898.	GUEST, CHARLES HENRY	134 London Rd., Derby. [Garage, Derby. 47 Y Derby.] (Diamond Drill Co., 8 Victoria St.,
1884.	GULLAND, JAMES KER	Westminster, S.W. [Gulland, London.]
1870.	GWYNNE, JAMES EGLINTON ANDERSON (Life Member)	Folkington, Polegate, R.S.O., Sussex. Hammersmith Iron Works, Ham-
1870.	Gwynne, John	mersmith, W.; and 81 Cannon St., E.C. [Gwynne, London.]
		(London Hydraulic Power Co.,
1902.	HAARER, ERNEST DU CHAILLU	Palace Chbrs., 9 Bridge St., Westminster, S.W.
1907.	Haberland, Reinhold Walter	24 Friedrich Strasse, Berlin.
1904. A.M.) 1910. M.)	HADEN, CHARLES INGHAM	St. George's Works, Trowbridge. [Haden, Trowbridge. 2.]
1904.	Haden, William Nelson	Messrs. G. N. Haden & Sons, St. George's Works, Trowbridge. [Haden, Trowbridge. 2.]

1888.	(HADFIELD, Sir ROBERT ABBOTT, F.R.S. (Member of Council)	Hecla Works, Sheffield. [Hadfield, Sheffield.]
1910.	HADLEY, WALTER	Messrs. Edwin Danks & Co. (Old- bury), Oldbury, Birmingham.
1902.	HAGGIE, ROBERT HOOD, Jun.	Tyne Holme, Wealdstone, S.O., Middlesex.
1895. A.M. 1901. M.		Rogate House, Worple Road, Wimbledon, S.W. Chief Eng., Cruiser "Almirante
1907.	Hair, Charles Logan	Gran," Callao, Peru. (Messrs. Sanderson Bros. & Co.,
1900.	HALCOMB, SYDNEY BROUGHTON	Sheffield. [Sanderson, Sheffield. 69.]
1897.	HALDANE, JOHN WILTON CUNINGHAME	35 Stanley Gardens, Haverstock Hill, Hampstead, N.W.
1905. A.M.)	HALL, ARTHUR HENRY	Mechanical Engineer's Office, Royal
1906. M.) 1894.	HALL, HENRY PLATT	Arsenal, Woolwich. Messrs. Platt Brothers & Co., Hartford New Works, Oldham.
1881.	HALL, JOHN PERCY	Carville, Lawrie Park Rd., Syden- ham, S.E.
1882.	HALL, JOHN WILLIM	71 Temple Row, Birmingham.
1903.	HALL, JOSEPH	28 Esplanade Road, Bombay.
1903,	HALL, JOSHUA	Kingston Mills, Hyde.
1890.	HALL, OSCAR STANDRING	Hope Foundry, Bury, Lancs.; and 1 Tenterden St., Bury, Lancs.
1874.	Hall, Thomas Bernard	King's Court, Colmore Row, Bir- mingham; and Ingleside, San- don Rd., Edgbaston, Birming-
1005 (1)	Hirr Eng Liont William	ham. [Tamar, Birmingham.]
1895. G.) 1900. M.)	Brasier, R.N	H.M.S. "Fox," c/o Postmaster General, E.C. (Messrs. A. Rodger & Co., St. Helen's
1889.	Hall-Brown, Ebenezer	Engine Works, Govan, Glasgow. [Triple, Glasgow.]
1880.	HALLETT, JOHN HARRY	123 Bute St., Cardiff. [Consulting,
1000.	HALLETT, JOHN HARRY	Cardiff.] (17 Victoria St., Westminster, S.W.
1871.	HALPIN, DRUITT	[Halpin, London. 880 Victoria.]
1898.	HALSTEAD, ARTHUR FRED-	Cringlewood, Irlam Rd., Sale, Manchester.
1895.	Halstead, John Henry	La Administracion, F. C. Central del Uruguay, Monte Video, Uruguay.
1903. A.M.) 1905. M.)	Ham, Frederic George Sison	13 Grosvenor Rd., Westminster, S.W. [Penstock, London. 96 Victoria.]
1900.	HAMBLY, JOHN	Kalk Bay House, Kalk Bay, vid Cape Town, Cape Colony.
1903.	HAMILTON, GEORGE CLAUDE	Halstead, Headingley, Leeds.
1909.	HAMILTON, HUGH PRIMROSE	Messrs. Blair & Co., Stockton-on-
1901. G.)		Tees. (Controller's Dept., Admiralty,
1904. M.		Whitehall, S.W.
1894.	HAMILTON, ROBERT	32 Raffles Place, Singapore, Straits Settlements.
1904.	Hamilton, William David	59 Bath St., Glasgow. [3973.]

-		(64 Victoria St., Westminster, S.W.
1899.	Hammond, Robert	[Hammond, London, 394 Victoria.]
1875.	HAMMOND, WALTER JOHN	The Grange, Knockholt, Sevenoaks.
1886.	Hanbury, John James	Edgeley, 141 Walm Lane, Crickle- wood, N.W.
1896.	HANDYSIDE, CHARLES BAIRD	Messrs. Holmes & Co., Examiner Pldgs., Manchester.
1891.	Harcourt, Otto Simon Henry	Messrs. Steel, Peech & Tozer, Corn- hill Chbrs., Collins St., Mel- bourne, Victoria.
1902. A.M.) 1904. M.)		Poste Restante, Salisbury, Rhodesia, S. Africa.
1881.	HARDINGHAM, GEORGE GATTON	Clun House, Surrey St., W.C.
1883.	MELHUISH	[Hardingham, London.] 13 Riemergasse, Stadt, Vienna.
	Tr W	(Messrs. Joseph Fisher & Sons,
1910. M.	HARDY, WILLIAM	Newry, Ireland.
1908.	HARDY, WILLIAM EDWARD	11/2 Praterstrasse 46, Vienna,
2000.	(Life Member)	Austria.
1888.	HARKER, WILLIAM	Messrs. R. Schram & Co., Cannon St. House, E.C. [Schram, London.]
1909.	HARLAND, HENRY PEIRSON	Clarke's Patents, Ltd., Colonial
1898.	HARLOCK, EDWARD BAKER	House, Water St., Liverpool. Newton House, Middlewich.
1894.	HARMER, OSCAR	Messrs. Alfred Herbert & Co., Coventry; and Dalhousie, Spencer
1899.	HARRAP, GEORGE THOMAS	Park, Coventry.
1891.	HARRIS, GORDON	5 Budge Row, Cannon St., E.C. 3 Gayton Rd., Hampstead, N.W.
1873.	(HARRIS, RICHARD HENRY (Life	Oak Hill, Surbiton, R.O., Kingston-
1877.	HARRIS, WILLIAM WALLINGTON	Rosebank, Queen Camel, Bath.
1898. A.M.)		(Messrs. Marshall, Sons & Co.,
1898. M.		Bombay.
1888.	Harrison, George	Messrs. D. Young & Co., 11 and 12 Southampton Bldgs., W.C. [Junkring, London. Holborn 893.]
	HARRISON, Major GILBERT	Fort William, Calcutta.
1891. M.	HARWOOD, R.E	
1885.	Harrison, Joseph	Royal College of Science, Exhibition Road, S. Kensington, S.W.
1891.	{Harrison, Joseph Hutchinson	2 Exchange Place, Middlesbrough; and Clifford Villa, Coatham, Redcar.
1887.	Harrison, Thomas Henry	Messrs. Davey Paxman and Co., 78 Queen Victoria St., E.C.
<b>1</b> 910.	HART, CHARLES FREDERIC	Carmelite House, Carmelite St., Victoria Embankment, E.C.
1883.	Hart, Frederick	36 Prospect St., Poughkeepsie, N.Y., U.S.
1901.	HARTLEY, WILLIAM ARCHBOLD	(21 Mosley Street, Newcastle-on- Tyne. [2739 Central.]
1872.	HARTNELL, WILSON	Volt Works, Leeds. [Hartnell, Leeds. 282.]

1906,	HARTNESS, JAMES (Life	
1892.	HARVEY, FRANCIS HANIEL	Co., Springfield, Vermont, U.S. Hayle Foundry, Hayle, Cornwall.
1883.	HARVEY, Sir ROBERT	Dundridge, Totnes.
1897.	HARVEY, ROBERT	Chairman, Harvey Engineering Co.,
1878.	HARWOOD, ROBERT	27 Mincing Lane, E.C. Soho Iron Works, Bolton.
1881.	HASLAM, Sir ALFRED SEALE	(Union Foundry, Derby. [Zero,
1898.	HASLAM, WILLIAM GILBERT	Union Foundry, Derby.
1902.	HASWELL, FREDERICK JOHN	Hull Hydraulic Power Co., Machell
1899.	HATCH, WILLIAM THOMAS	St., Hull. Engin-Chief, Metrop. Asylums Bd., Victoria Embankment, E.C.
1885.	HAMMON POPER TANKS	Henley's Telegraph Works, N.
	HATTON, ROBERT JAMES	Woolwich, E.
1910.	A.M.) Hawes, David Marc Andrew M.) Graham	75 Queen Victoria St., E.C.
1908.	HAWKE, GEORGE RICHARD WILLIAM	ply, Perth, Western Australia.
1892.	HAWKINS, RUPERT SKELTON	Loco. and Carr. Supt., Assam and Bengal Rly., Pahartali P.O., Chittagong, India.
1905.	Hawkins, Thomas Whitehead	(Manager, Messrs. John and William
1861.	Hawkins, William Bailey	144 Palmerston House, Bishopsgate Street, E.C.
1870.	HAWKSLEY, CHARLES	Caxton House (West Block), West minster, S.W.
1900.	Hawksley, Kenneth Phipson	Caxton House (West Block), West- minster, S.W.
1905. 1909.	A.M.) HAY, JOHN ANGUS	14 Wilberforce Rd., Finsbury Park,
1907.	HAYAKAWA, UKICHI	N. 21 Kanocho Nichome, Kobe, Japan.
1908.	HAYASHI, KAZUO	Japan Steel Works, Muroran, Ho-
1882.	HAYES, EDWARD	\ \text{kaido, Japan.} \ \text{Watling Works, Stony Stratford,} \ \ [Hayes, Stony Stratford.]
1879.	HAYES, JOHN	12 Market St., Carnarvon.
1902.	HAYWARD, THOMAS WILLIAM	(Boro' Surveyor, Municipal Bldgs.,
1903,	ALFRED	Lavender Hill, Battersea, S.W. (Atlantic Bldgs., Cardiff Docks,
	Heald, James Arthur	Cardiff.
1890. 1891.	G. HEAP, RAY DOUGLAS THEODORE	Royal Arsenal, Woolwich.
1872.	HEAP, WILLIAM	{12 Seaton Bldgs., 17 Water St., Liverpool.
1905. 1909.	$\left. egin{array}{l} A.M. \\ M. \end{array}  ight\}$ Hearn, Charles Hanbury	Town Electrical Eng., Kroonstad, Orange River Colony.
1898.	HEARSON, HUGH REGINALD	Oriental Ice Works, Hongkew Creek, Shanghai, China.
1898.	Heath, Ashton Marler	Office of the Crown Agents for the Colonies, Whitehall Gardens, S.W.
1899.	HEATH, ELIJAH ARTHUR	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.
1889.	Heath, George Wilson	Messrs. Heath & Co., Observatory Works, Crayford, Kent.

1903. A.M. 1908. M. HEATH, JAMES FOX	Herbert Villa, Neasden Lane, N.W.
1000 Harry Harry	Messrs. Heatly and Gresham, 110
1888. HEATLY, HARRY	Cannon St., E.C.; and The Hoo, Hitchin.
1897. HEATON, CHARLES	Brades Steel Works, near Birming-
1005 A.W.)	ham. [Brades, Birmingham.] British Westinghouse Co., Trafford
1909. A.M. HEATON, WILLIAM HENRY	Park, Manchester.
1875. HEENAN, HAMMERSLEY	4 Chapel Walks, Manchester. [Hee- nan, Manchester. 964 and 966.]
(HELE-SHAW, HENRY SELBY,	(64 Victoria St., Westminster, S.W.
1879. LL.D., F.R.S. (Member of Council)	[Heleshawce, London. 1291 Victoria.]
1907. HENDERSON, HENRY ESDON	Messrs. C. and H. Crichton, 4-10
	Derby Rd., Kirkdale, Liverpool. (Messrs. John H. Wilson & Co., 15
1879. G. HENRIQUES, CECIL QUIXANO	Victoria St., Westminster, S.W.
1001.	[Drague, London.]
1904. Henry, Hubert Decimus	National Liberal Club, Whitehall Place, S.W.
	(Messrs. John Spencer and Sons,
1907. Неррек, Јоѕерн	Newburn Steel Works, Newcastle-
	on-Tyne. Messrs. Alcock, Ashdown & Co.,
1900. Hepworth, John William	Bombay.
1000 Heppens Arens	Machine-Tool Works, Coventry; and Fieldgate Lane, Kenilworth.
1892., HERBERT, ALFRED	[Lathe, Coventry. 52.]
1893. HERBERT, CHARLES	35 Queen Victoria St., E.C.
	[Mancunian, London.]  McLeod Rd., Karachi, India.
1894. HERMAN, BENJAMIN RICHARD	[Herman, Karachi, 47.]
1884. HERNU, ARTHUR HENRY	69 Victoria St., Westminster, S.W.
1894. HERRIOT, WILLIAM SCOTT	Clarewood, Thorntonhall, Lanarks. (Geo. A. Fuller Construction Co.,
1905. M. HERSCHMANN, ARTHUR JULIUS	945 Broadway, New York, U.S.
1906. HERTZ, ALBERT HOLGER	Loco. Supt., Port Talbot Rly. and
1879 G) -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1882. M.) HESKETH, EVERARD	Dartford. [Hesketh, Dartford.]
1897. {Hetherington, Edward Palmer	Vulcan Works, Pollard St., Manchester,
1872. HEWLETT, ALFRED	Haseley Manor, Warwick.
1906. A.M.) HEYWOOD, THOMAS EDWARD)	
1908. M. HETT	(Messrs. J. & J. Drysdale & Co., 440
1885. HICKEN, THOMAS	Calle Peru, Buenos Aires, Arg.
	Rep.
1896. Higby, Robert George	Messrs. Bird & Co., 27 Leadenhall St., E.C.
1901. A.M.) HIGGINBOTHAM, GEORGE	Calico Printers' Assocn., 56 Mosley
1906. M.) Hiddingolina, George	St., Manchester. (Crown Iron Works, West Gorton,
1894. HIGGINBOTTOM, LLOYD	Manchester.
	Engin-Chief, Messrs. A. Guinness,
1902. HIGNETT, ARTHUR HOLLAND	Son & Co., St. James' Gate Brewery, Dublin.
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Date	of	Elec	etion
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1879.	HIGSON, JACOB	(Crown Bldgs., 18 Booth St., Manchester.
1903.	HILDRED, CHARLES WILLIAM	Messrs. R. Waygood & Co., Falmouth Rd., Great Dover St., S.E.
1902. 1904.	A.M.) HILDRETH, WILLIAM AUGUS-	Messrs. Alfred Herbert, Potsdamer Strasse 60, Berlin.
1901.	HILL, ALFRED JOHN	Manager, Loco., Carr. and Wagon Works, G.E. Rly., Stratford, E.
1902.	HILL, EDMUND LEWIN	Siemens Brothers Dynamo Works Ltd., 196 Deansgate, Manchester. Eng. and Manager, West Surrey
1883. 1894.	G. Hill, John Kershaw	Water Works, Walton Bridge, Walton-on-Thames. St. George's Engineering Works,
1901.	HILL, JOSEPH	Wood's Lane, Derby. [Hill, Derby. 227.]
1885.	HILL, ROBERT ANDERSON	14 Third Avenue, Hove, Sussex.
	(HILL, Eng. Lieut. WALTER	(Khartoum Dockyard, Khartoum
1900.	SCOTT, R.N	N., Sudan, Egypt.
	( 2000)	General Manager, Midland Coal,
1909.	HILL, WILLIAM	Coke & Iron Co., Apedale, New-
2000.		castle, Staffs.
		Chief Eng., National Boiler In-
1890.	HILLER, EDWARD GEORGE	surance Co., St. Mary's Parson-
1000.	Timbin, Edward Chonds	age, Manchester. [2624 Central.]
		Consulting Eng., National Boiler Insurance Co., St. Mary's Par-
1000	Herenn Hawny	ganage Manahoster: and Athel-
1882.	HILLER, HENRY	sonage, Manchester; and Athel-
		ney, Stanley Rd., Alexandra Park,
		Manchester.
1899.	HILLER, HENRY KING	Eng., Gas Co., Shanghai, China.
		Managing Director, Messrs. James
1898.	HIPKINS, WILLIAM EDWARD	Watt & Co., Soho Foundry,
		Smethwick, Birmingham.
400=		The Kisha Seizo Kwaisha, Kinshi-
1897.	HIRAORA, HIROSHI	chyo, Honjo, Tokyo, Japan.
		50 Dumaresque St., Newcastle,
1897.	HIBST, JAMES	New South Wales.
		Lloyds Register, Tower Buildings,
1909.	HIRST, RICHARD	Liverpool.
		G.I.P. Railway Co., 5 Victoria
1896.	HITCHCOCK, CYRIL	St., Westminster, S.W.
1900	A.M.) Haransa Carrana France	Messrs, Hitchins & Booth, 25 Vic-
1901.	M. HITCHINS, CHARLES FAUNCE	
1301.	mr.)	toria St., Westminster, S.W.
1898.	HOBBS, CHARLES JAMES	General Manager, Hydraulic En-
1900.	Tongon Toma Toma	gineering Co., Chester.
1894.	G.)	Oaklands, Cheadle, Cheshire.
1897.		Vauxhall Iron Works, Wandsworth
		Rd., S.W.; and Edgcumbe, Cranes
1898.	M.)	Drive, Surbiton.
1896.	Hodges, Marcus Henry	City Basin Iron Works, Exeter.
1000	Hanagay Cara	Messrs. Saxby and Farmer, 53 Victoria St., S.W. [Signalmen,
1880.	Hodgson, Charles	Victoria St., S. W. [Signalmen,
		London. 285 Westminster.]
1001	77	Mansion House Chbrs., 20 Buck-
1901.	Hodgson, Ealey	lersbury, E.C. [Torquated, Lon-
		don. 8374 Bank.]

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and of Transfer.		
1906.	Hodgson, Percy Frederick	53 Victoria Street, Westminster, S.W.
1910.	Hodgson, Richard Bowness	Manager, Messrs. Ashmore, Benson, Pease & Co., Parkfield Works, Stockton-on-Tees.
1891.	HOGARTH, THOMAS OSWALD	G.W. Rly. Works, Saltney, Chester.
1886.	Holden, James	Hermon House, 72 Hermon Hill, Wanstead, N.E.
1910.	Holden, Stephen Dewar	Locomotive Supt., Great Eastern Railway, Stratford, E.
1895.	HOLGATE, CHARLES HENZELL	5 Hilton Place, Leeds.
1905. A.M.) 1910. M.)	HOLLIDAY, CHARLES EDWARD	Messrs. Hans Renold, Kingsway House, Kingsway, W.C.
1895.	Holliday, John	Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1894. G.) 1896. A.M.) 1907. M.)	Hollingsworth, Edward Massey	St. Helens Corporation Electricity Works, St. Helens, Lancashire.
1896.	Holman, Frederick	Penzance Foundry, Penzance.
1891.	Holman, Hugh Wilson	Messrs. C. M. Burls and Partners, 4 Lloyd's Avenue, Fenchurch St., E.C. [Burlsator, London.]
1899.	Holmes, John Henry	Portland Rd., Newcastle-on-Tyne; and Wellburn, Jesmond, New- castle-on-Tyne.
1908.	Holmes, Joseph Cornelius	"The Morning Post," 346 Strand, W.C.
1896.	Holmes, Percy Frederick	Whitestone Iron Works and Turn- bridge Foundries, Huddersfield. [Holmes, Huddersfield. 113.]
	HOLMES, RICHARD JOHN MON-	Corpn. Tramways, Manors, New-
1909. M. § 1892.	HOLMSTRÖM, CARL ALBERT	Castle-on-Tyne. Morecroft, Epsom.
1888.	Homan, Harold	Senlac, Hockering Rd., Woking.
1903.	Homersham, Thomas Henry Collett	Works Manager, Messrs. Thwaites Brothers, Vulcan Iron Works, Bradford.
1898. A.M. 1901. M.	Honiball, Charles Roland	Prudential Assurance Bldgs., 36 Dale St., Liverpool. [Honiball, Liverpool. Central 7371.]
1890.	Hooker, Benjamin	Blackhorse Lane, Walthamstow,
1904.	Hookham, John Albert	Works Manager, Loco. Works, N. Staffs. Rly., Stoke-on-Trent.
1902. A.M.) 1909. M.)	HOPE, ALARIC	pool.
1900. G.)	Hongagon Array Harr	Britannia Works, Huddersfield.  [Hopkinson, Huddersfield, 169.]
1901. A.M.) 1905. M.)	Hopkinson, Allen Haigh	[Hopkinson, Huddersfield. 169.]
1904.	HOPKINSON, Professor BER- TRAM (Life Member)	Engineering Laboratory, The University, Cambridge.
1885.	Hopkinson, Charles	Werneth Chbrs., 29 Princess St., Manchester.
1894.	HOPKINSON, EDWARD, D.Sc. (Member of Council)	Salford Iron Works, Manchester; and Ferns, Alderley Edge, Cheshire.
1909.	Hopkinson, Frank Addy	Messrs. J. Hopkinson & Co., Britannia Works, Huddersfield.

1890.	HOPPER, JAMES RUSSELL	Messrs. William Hopper & Co., Moscow, Russia.
1906. A.M.) 1909. M.)	HORNETT, WILLIAM GEORGE.	Bengal - Nagpur Rly., Khargpur, India.
1899.	Hosgood, Octavious Sidney	Electric Light and Tramways Dept., Roath Power Stn., Roath, Cardiff.
1891. G.) 1897. M.)	Hosgood, Walter James	Mashonaland Rly. Co., Umtali, Rhodesia.
1889.	Hosken, Richard	(P.O. Box 667, Johannesburg, Transvaal.
1902.	Hoskins, George John	Messrs. G. and C. Hoskins, Sydney, N.S.W.
1908.	Houfe, Walter William	British P.O. Box 260, c/o Messrs. Gordon & Co., 110 Szechuen Rd., Shanghai, China.
1866.	HOUGHTON, JOHN CAMPBELL	Sparnon, Torquay.
1889.	HOUGHTON, THOMAS HARRY	63 Pitt St., Sydney, N.S.W. [Expansion, Sydney.]
1895. A.M.) 1898. M.)	House, Henry Alonzo, Jun.	House Flexible Steel Belting Co., Bridgeport, Conn., U.S.
1909.	Houseman, Charles Law-	Manager, Messrs. S. Sykes & Co., P.O. Box 110, Salisbury, Rho- desia.
1864.	Howard, Eliot	Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C. [Tyle- rox, London. 192 Bank.]
1897.	Howard, Henry Fox	Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C. [Tyle-
		rox, London. 192 Bank.]
1879. G.) 1889. M.)	Howard, James Harold	Britannia Iron Works, Bedford; and The Grange, Kempston, Bedford.
1911.	Howard, John	Rivers Steam Navigation Co., 43 Garden Reach, Calcutta.
1882.	Howard, John William	Gloucester Wagon Works, Gloucester.
1896.	HOWARTH, ALFRED MONT-	Inspecting Engineer, P.W.D., Sydney, N.S.W.
1901.	Howe, Henry Bryant	Genl. Works Manager, Govt. Rlys., Eveleigh Works, Sydney, N.S.W.
1877.	HOWELL, SAMUEL EARNSHAW	Brook Steel Works, Brookhill, Sheffield. [Howell, Sheffield.]
1882.	Howl, Edmund	Messrs. Lee Howl & Co., Tipton.
1904.	Howlden, Edwin Francis	68 Marlborough Mansions, Cannon Hill, W. Hampstead, N.W.
1877.	Howlett, Francis	28 Victoria St., Westminster, S.W. [Brickpress, London.]
1887.	HOYLE, JAMES ROSSITER (Member of Council)	Messrs. Thomas Firth & Sons, Norfolk Works, Sheffield.
1891.	HUBBACK, CHARLES ARBUTH-	c/o General Post Office, Vancouver, B.C.
1882.	Hudson, John George	Messrs. Hick Hargreaves & Co., Soho Iron Works, Crook St., Bolton; and Glenholme, Brom- ley Cross, Bolton.

Date	of	Election
and o	of '	Transfer.

and of Transfer	•	
1893.	HUDSON, WILLIAM	Stocks Lane, Stalybridge.
1881.	HUGHES, EDWARD WILLIAM	33 St. James's Mansions, West End
1000	(HUGHES, GEORGE (Member	Lane, West Hampstead, N.W. Chief Mech. Eng., Lancs. & Yorks.
1899.	of Council)	Rly., Horwich, Lanes.
1898. A.M.)	TI C TI	Messrs. Robert Warner & Co.,
1903. M.)	HUGHES, GEORGE HENRY	Walton-on-the-Naze, S.O., Essex. [Foundry, Walton-on-the-Naze. 5.]
1889.	Hughes, John	16 Victoria St., Westminster, S.W.
1891.	HUGHES, ROBERT M	Dist. Eng., Bengal-Nagpur Rly.,
		Chakardharpur, Bengal. Chief Mech. Eng., Cordite Factory,
1909.	HULL, JAMES HENRY	Aruvankadu, Nilgiris, India.
1000		Messrs. Royce Ltd., Trafford Park,
1902.	HULLEY, RICHARD DODSON	Manchester. [Switch, Man-
		[ Chief Mech. Eng., W. Australian
1906.	Hume, Edward Shotton	Govt. Rlys., Midland Junction,
		W. Australia.
1903.	HUMPAGE, THOMAS	Messrs. Humpage, Thompson and Hardy, Jacob St., Bristol.
1899.	HUMPHREY, HERBERT ALFRED	38 Victoria St., Westminster, S.W.
1900.		[Gazonner, London.]
	HUMPHREYS, HENRY HOWARD	28 Victoria St., Westminster, S.W. Messrs. Braithwaite and Kirk, 36
1909.	HUMPHRYES, JAMES HULSE	Lime Street, E.C.
1866. G.) 1872. M.	HUMPHRYS, ROBERT HARRY	Messrs. Humphrys Tennant & Co.,
,		Deptford Pier, S.E. Messrs. G. J. Worssam & Son,
1899. A.M.) 1904. M.)	HUNT, HENRY	Wenlock Rd., City Rd., N.; and
2002.		Cotsford, Uplands Park, Enfield.
1898.	HUNT, ROBERT WOOLSTON	1137 The Rookery, Chicago, Ill., U.S.
1901.	HUNT, WILLIAM	The Machine Tool Co., Ltd.,
2002	IIONI, WILLIAM	Nottingham.
1899.	HUNTER, GEORGE LEWIS	Messrs. T. and W. Smith, Guild- hall, Newcastle-on-Tyne.
		Mech. Engineer's Dept., L. & S.W.
1906.	HUNTER, JAMES ALEXANDER	Rly., Eastleigh Loco. Works,
		Hants. (Genl. Manager, N.E. Marine
1902.	Петамир Ситемира	Engineering Co., Wallsend,
1002	HUNTER, SUMMERS	R.S.O., Northumberland. [News,
4000	·	(Wallsend.) (17 Victoria St., Westminster,
1877.	HUNTER, WALTER	S.W. [Westminster 75.]
1905.	HUTCHINS, WALTER JAMES	Messrs. Alfred Herbert, 47 Boule-
1894. A.M.)	· ·	vard de Magenta, Paris.
1901. M.	Member)	Govt. Factory, Colombo, Ceylon.
1907.		Clutha Iron Works, Vermont St.,
1005		Glasgow. Messrs. Rigby & Hyland, P.O. Box
1885.	HYLAND, JOHN FRANK	1678, Winnipeg, Canada.
		(Brookfold Iron Works Touland
1900.	IDDON, JAMES	(Brookfield Iron Works, Leyland, Preston.

		(519 Bartolomé Mitre, 2º Piso,
1909.	IEVERS, EYRE FRANCIS	Buenos Aires, Arg. Rep. (Chief Eng., Prudential Assee. Co.,
1905. A	A.M.) INCE, ROBERT SELF	Holborn Bars, E.C.; and Bramber, Ramuz Drive, Westcliff-on- Sea.
1882.	Ingham, William	11 Blackfriars St., Manchester. [4681.]
1895. A	A.M.) INGHAM, WILLIAM	Chief Eng., Rand Water Board, P.O. Box 1703, Johannesburg, Transvaal,
1888.	INGLEBY, JOSEPH	20 Mount St., Manchester.
1905.	INGRAM, ALFRED	Queen Anne's Chbrs., Westmin- ster, S.W.
1903.	INGRAM, SAMUEL	County Surveyor, Whipton, Exeter.
1907. 1883.	Inniss, John James Instone, Thomas	82 New St., Birmingham. 101 Leadenhall St., E.C.
2000.	Indicate, Inches	(Rolling Stock Supt., L.C.C. Tram-
1910.	IRELAND, WILLIAM EDWARD	ways, 62 Finsbury Pavement, E.C.
		Messrs. Hudson Brothers, Clyde
1892.	IRONS, THOMAS	Engineering Works, Granville, New South Wales.
	/7 D	(Managing Director, Messrs. Cross-
1898.	IRWIN, DELACHEROIS HAST-	ley Brothers, Openshaw, Man- chester. [Crossleys, Openshaw.]
1887.	JIVATT, HENRY ALFRED (Mem-)	Loco. Eng., G.N. Rly., Doncaster.
20011	\ ber of Council\ \cdots \cdots \cdots \cdots	note. Eng., d.r. Iny., Doncaster.
1907.	JACK, ALEXANDER	Cameron St., Motherwell.
		Cameron St., Motherwell. Worthington Pump Co., 153 Queen
1907. 1909.	Jack, Alexander Jack, Frederic Barrie	Worthington Pump Co., 153 Queen Victoria Street, E.C.
		Worthington Pump Co., 153 Queen
1909.	Jack, Frederic Barrie  Jacks, Thomas William Moseley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 13 Queensborough Gdns., Kelvin- side, Glasgow. United Alkali Co., Allhusen's
1909. 1884. 1907.	Jacks, Frederic Barrie  {Jacks, Thomas William Moseley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead.
1909. 1884. 1907. 1898.	Jack, Frederic Barrie  Jacks, Thomas William Moseley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. (Chief Eng., Electric Light and
1909. 1884. 1907.	Jacks, Frederic Barrie  {Jacks, Thomas William Moseley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., North-
1909. 1884. 1907. 1898. 1904.	Jacks, Frederic Babrie  (Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker  Jackson, Gerald Hart	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [188.] Caxton St., Anniesland, Glasgow.
1909. 1884. 1907. 1898. 1904.	Jacks, Frederic Babrie  (Jacks, Thomas William Moseley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hill-
1909. 1884. 1907. 1898. 1904.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley	Worthington Pump Co., 153 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 13 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 53 Victoria St., Westminster, S.W.
1909. 1884, 1907. 1898. 1904.	Jack, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Hart  A.M. Jackson, Harold Drink-Water  {Jackson, Sir John, M.P., LL.D., F.R.S.E	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 58 Victoria St., Westminster, S.W. [Cofferdam, London.]
1909. 1884. 1907. 1898. 1904. 1906.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley	Worthington Pump Co., 153 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 13 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 53 Victoria St., Westminster, S.W. [Cofferdam, London.] 24 Cathcart Hill, N. Woodlands View, Horsforth, near
1909. 1884. 1907. 1898. 1904. 1906. 1899. 1895.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Hart  A.M. Jackson, Harold Drink-Water  {Jackson, Sir John, M.P., LL.D., F.R.S.E  Jackson, Robert Cattley	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 53 Victoria St., Westminster, S.W. [Cofferdam, London.] 24 Cathcart Hill, N.
1909. 1884. 1907. 1898. 1904. 1906. 1899. 1895. 1886.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Hart  A.M. Jackson, Harold Drink-M. Jackson, Sir John, M.P., LIL.D., F.R.S.E  Jackson, Robert Cattley  Jackson, Thomas	Worthington Pump Co., 158 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 53 Victoria St., Westminster, S.W. [Cofferdam, London.] 24 Catheart Hill, N. Woodlands View, Horsforth, near Leeds. Thorn Grove, Mannofield, Aberdeen. 78 Gracechurch St., E.O. [Vexil-
1909. 1884. 1907. 1898. 1904. 1906. 1899. 1895. 1886. 1889.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Hart  A.M. Jackson, Harold Drink-M. Jackson, Sir John, M.P., LIL.D., F.R.S.E  Jackson, Robert Cattley  Jackson, Thomas  Jackson, William	Worthington Pump Co., 153 Queen Victoria Street, E.C. Messrs. William Beardmore & Co., Parkhead, Glasgow; and 13 Queensborough Gdns., Kelvinside, Glasgow. United Alkali Co., Allhusen's Works, Gateshead. 16 Great Tower St., E.C. Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.] Caxton St., Anniesland, Glasgow. [Telemeter, Glasgow. 122 Hillhead.] 53 Victoria St., Westminster, S.W. [Cofferdam, London.] 24 Catheart Hill, N. Woodlands View, Horsforth, near Leeds. Thorn Grove, Mannofield, Aberdeen. [78 Gracechurch St., E.C. [Vexillum, London.]
1909.  1884.  1907. 1898. 1904.  1906. 1899. 1895. 1886. 1889. 1876.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Habt  A.M. Jackson, Harold Drink-M. Jackson, Sir John, M.P., LL.D., F.R.S.E  Jackson, Robert Cattley  Jackson, Thomas  Jackson, William  Jacobs, Charles Mattathias {Jacobs, Lieut. Joseph John, R.E  Jakeman, Christopher John	Worthington Pump Co., 158 Queen Victoria Street, E.C.  Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow.  United Alkali Co., Allhusen's Works, Gateshead.  16 Great Tower St., E.C.  Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [188.]  Caxton St., Anniesland, Glasgow.  [Telemeter, Glasgow. 122 Hillhead.]  53 Victoria St., Westminster, S.W.  [Cofferdam, London.]  24 Catheart Hill, N.  Woodlands View, Horsforth, near Leeds.  Thorn Grove, Mannofield, Aberdeen.  [78 Gracechurch St., E.C. [Vexillum, London.]  Gibraltar.  [Bouldnor Lodge, 10 Lewisham Hill,
1909.  1884.  1907. 1898. 1904.  1906. 1899. 1895. 1886. 1889. 1876.	Jacks, Frederic Babrie  {Jacks, Thomas William Moseley  Jackson, Albert  Jackson, Algernon Brooker Jackson, Gerald Hart  A.M.} Jackson, Harold Drink- M.}  {Jackson, Sir John, M.P.,  ILL.D., F.R.S.E  Jackson, Robert Cattley  Jackson, Thomas  Jackson, William  Jacobs, Charles Mattathias  {Jacobs, Lieut. Joseph John, R.E	Worthington Pump Co., 158 Queen Victoria Street, E.C.  Messrs. William Beardmore & Co., Parkhead, Glasgow; and 18 Queensborough Gdns., Kelvinside, Glasgow.  United Alkali Co., Allhusen's Works, Gateshead.  16 Great Tower St., E.C.  Chief Eng., Electric Light and Power Co., 25 Bridge St., Northampton. [183.]  Caxton St., Anniesland, Glasgow.  [Telemeter, Glasgow. 122 Hillhead.]  58 Victoria St., Westminster, S.W.  [Cofferdam, London.]  24 Catheart Hill, N.  Woodlands View, Horsforth, near Leeds.  Thorn Grove, Mannofield, Aberdeen.  [78 Gracechurch St., E.C. [Vexillum, London.]  Gibraltar.

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1900. James, Charles, Jun.  1889. James, Charles William  1895. James, Christopher William  1896. James, Christopher William  1897. James, Reginald William  1898. James, Reginald William  1899. James, Reginald William  1899. James, Reginald William  1899. James, Reginald William  1899. James, Charles William  1899. James, Christopher William  1890. James, Charles William  1890. James, Christopher William  1890. James, Christopher William  1890. James, Charles William  1890. James, Christopher William  1890. James, Christopher William  1890. A.M.  1901. James, Christopher William  1891. James, Christopher William  1892. Jeffers, Homas  1893. Jeffersh, Fichard Homer  1894. Jeffersh Homan  1895. Jennin, Thomas Henry  1896. Jennin, Thomas Henry  1899. Jennin, Cosmo  1899. Jennin, Cosmo  1899. Johnson, George  1899. A.M.  1900. M.  1901. Johnson, Andrew  1902. Jennin, John Henry  1903. A.M.  1900. M.  1901. Johnson, Frederick Dwight  1896. G.  1903. A.M.  1900. M.  1901. Johnson, Henry Howard  1905. Johnson, Frederick Dwight  1896. G.  1906. G.  1897. A.M.  1907. Johnson, Frederick Dwight  1896. G.  1908. G.  1897. A.M.  1909. Johnson, Frederick Dwight  1896. G.  1897. A.M.  1896. G.  1896. G.  1896. G.  1896. G.  1896. G.  1896. G.  1	and of Transfer		
1899. James, Charles William.  1895. James, Christopher William.  1899. James, Reginald William.  1899. James, Thomas.  1890. James, Thomas.  1891. James, William Henry.  1902. A.M. 1901. Jefferies, Harold Sellis.  1892. Jeffreys, Edward Homer.  1893. Jeffreys, Edward Homer.  1894. Jeffreys, Dohn.  1894. Jenkins, Professor Charles, Frewen.  1896. G. 1896. G. 1897. A.M. 1900. Jenkins, Riys. 1899. Jenkins, Henry Horwood. 1899. Jenkins, Henry Horwood. 1899. Jenkins, Cosmo.  1890. Jensen, Peter. 1900. Johnson, Frederick Dwight. 1900. Johnson, Frederick Dwight. 1900. Johnson, Henry Howard.  1890. G. 1897. A.M. 1900. Johnson, Henry Howard. 1890. G. 1897. A.M. 1900. Johnson, Henry Howard. 1890. G. 1907. Johnson, Frederick Dwight. 1890. G. 1908. A.M. 1909. Johnson, Henry Howard. 1890. G. 1			(Messrs. Richard Hornsby & Sons,
1895. JAMES, CHRITES WILLIAM  1896. JAMES, CHRISTOPHER WILLIAM  1899. JAMES, REGINALD WILLIAM  1899. JAMES, REGINALD WILLIAM  1899. JAMES, THOMAS  1890. JAMES, THOMAS  1891. JAMES, WILLIAM HENRY  1902. A.M. HENRY  1906. M. JARVIS, RICHARD  1906. M. JARVIS, RICHARD  1907. JEFFERISS, THOMAS  1898. JEFFERISS, THOMAS  1899. JEFFREYS, EDWARD HOMER  1890. JEFFREYS, EDWARD HOMER  1890. JEFFREYS, DHN  1890. JEFFREYS, EDWARD HOMER  1890. JEFFREYS, DHN  1890. JEFREYS, DHN  1890. JEFREYS, CHARLES  FREWEN  1894. JENKIN, PROFESSOR CHARLES  FREWEN  1895. JENKINS, WILLIAM JOHN  JENGIN JOHNSON, THOMAS  TO CHORDHAM  WASHS  TOOMAL PROVIDENCE TO MORE TO MERCE  TO CHARLES  TO CHARLES  TO CHORDHAM  Rda, Leeds.  Kia Ora, 304 LR. Roudberd, Marce  JOHN JOHN JOHN JOHN  Rda, Leeds.  Kia Ora, 304 LR.  Kollege of Science, Dublin  Coevell Vorks, Ipswich, [Ransomes, Ipswich, [Ransomes, Ipswich, [Ransomes, Ipswich, [Ranso	1900.	James, Charles, Jun	Spittlegate Iron Works, Gran-
1895. James, Christopher William   Rolleds   Foundry, Meadow   Rd., Leeds.   1 Queen Victoria St., E.C.   [Lodestone, London. 317 Bamle.]   Same.]   1898. A.M.   1901. M.   1898.   James, William Henry   Little Boar's Head, New Hampshire, U.S.   Kia Ora, 304 Lr. Broughton Rd., Lower Broughton, Manchester.   1898.   Jeffecott, Henry Homan   Chepank, Madras, India.   Little Boar's Head, New Hampshire, U.S.   Kia Ora, 304 Lr. Broughton Rd., Lower Broughton, Manchester.   1890.   Jeffecott, Henry Homan   Chepank, Meadras, India.   Little Boar's Head, New Hampshire, U.S.   Kia Ora, 304 Lr. Broughton Rd., Lower Broughton, Manchester.   37 Pedder Rd., Bombay, India.   Royal College of Science, Dublin.   Creell Works, Ipswich. II.]   Messrs. Tangyes, Cornwall Works, Soho, Birmingham.   Tangyes, Birm	1889.	James, Charles William	Newcastle-on-Tyne.
1899. James, Reginald William  1899. James, Thomas  1898. A.M. 1901. M. 1888. {Jaues, William Henry 1902. A.M. 1906. M.} 1898. {Javes, Captain William 1908. A.M. 1909. A.M. 1909. A.M. 1901. M.} 1898. {Jeanne Manuel Menry 1909. A.M. 1909. A.M. 1901. M. 1901. Jeffect, Piroshaw 1901. Jeffect, Henry Homan 1901. Jeffect, Henry Homan 1901. Jeffect, Henry Homan 1901. Jefferis, Thomas 1881. Jefferis, Thomas 1887. G. 1888. M. 1890. Jeffery, John 1901. Jeffery, John 1902. Jeffery, Captain William 1903. Jeffery, John 1894. Jenkin, Professor Charles 1894. Jenkin, Thomas Henry 1896. G. 1896. G. 1897. A.M. 1901. Jobson, George 1897. A.M. 1900. M. 1900. A.M. 1900. M. 1900. A.M. 190	1895.	James, Christopher William	Well House Foundry, Meadow
Stone, Distance, 1992.   Stone, 1992.   Ston	1990	Tarme Protects Within	1 Queen Victoria St., E.C. [Lode-
1898. A.M. 1901. M. 1888. JAQUES, Captain WILLIAM HENRY 1902. A.M. 1906. M. 1908. M. 1909. A.M. 1909. A.M. 1909. A.M. 1909. A.M. 1909. JEFFERIS, RICHARD 1909. JEFFERIS, THOMAS 1909. A.M. 1900. M. 1901. JEFFERIS, THOMAS 1902. JEFFERIS, THOMAS 1903. A.M. 1903. A.M. 1904. JOHNSON, HENRY HOWARD 1905. JOHNSON, FREDERICK DWIGHT 1898. G. 1909. A.M. 1909. A.M. 1909. A.M. 1909. JOHNSON, HENRY HOWARD 1899. JOHNSON, HENR			
1901. M. JARUES, Captain WILLIAM 1908. M. JARVIS, RICHARD Little Boar's Head, New Hampshire, U.S. 1902. A.M. JARVIS, RICHARD Lower Broughton, Manchester. 1908. M. JEEJEEBHOY, PIROSHAW BOMANJEE			Derby.
HENRY   Shire, U.S.   Shir		James, William Henry	
1902. A.M. 1906. M. 1908. M. 1909. JEEFEEBHOY, PIROSHAW BO- MANJEE	1888.	-	
Selection   Piroshaw Bo-Manles   Selection   Selecti			Kia Ora, 304 Lr. Broughton Rd.,
1910. Jeffcott, Henry Homan 1901. Jeffcott, Henry Homan 1901. Jeffcott, Henry Homan 1881. Jefferies, Thomas 1881. Jefferies, Thomas 1897. G. 1882. M. Jeffreys, Edward Homer 1902. Jeffreys, John 1903. Jeffreys, John 1904. Jenkin, Bernard Maxwell 1895. Jenkin, Professor Charles 1896. G. 1896. A.M. 1901. Johnson, Andrew 1907. Johnson, Henry Howard 1908. Jenkin, Componies of Charles 1909. Jenkins, Componies of Charles 1909. Johnson, Andrew 1909. Johnson, Henry Howard 1909. Jefferies, Henry Howard 1909. Jefferies, Homard 1909. Jeffreys, Cornwall Works, Soho, Burlaysic, Lenge, Cornwall Works, Soho, Birmingham. [Tangyes, Burringham. [Tangyes, Burringham			• ,
1901. Jefferies, Harold Sellis  1881. Jefferiss, Thomas	1910		
Messrs. Tangyes, Cornwall Works, Soho, Birmingham. [Tangyes, Birmingham.]   1877. G.   M.   Jeffreys, Edward Homer   Greenholme, Burley-in-Wharfedale, Leeds.   11 Old Queen St., Westminster, S.W. [482 Westminster, S.W. [Kinematic, London.]]   1893.   Jenkin, Professor Charles   Frewen   14 Lathbury Rd., Oxford.   [Kinematic, London.]]   1894.   Jenkin, Thomas Henry   14 Lathbury Rd., Oxford.   Messrs. J. Jamieson & Co., Queen's Dock Chbrs., Hull. [Propeller, Hull. 94.]]   1880.   G.   Jenkins, Rhys.   38 Southwood Avenue, Highgate, N.   1892.   Jenkinson, Thomas   17 Windle St., St. Helens, Lancs.   1893. Jennins, Henry Horwood   1896. Jensen, Peter.   17 Windle St., St. Helens, Lancs.   180 Chapeltown Rd., Leeds.   17 Windle St., St. Helens, Lancs.   180 Chapeltown Rd., Leeds.   180 Ch			Orwell Works, Ipswich. [Ransomes,
Birmingham.]   Greenholme, Burley-in-Wharfedale, Leeds.   11 Old Queen St., Westminster, S.W. [482 Westminster.]   17 Victoria St., Westminster, S.W. [482 Westminster.]   1893.   JENKIN, Professor CHARLES FREWEN   14 Lathbury Rd., Oxford.   Messrs. J. Jamieson & Co., Queen's Dock Chbrs., Hull. [Propeller, Hull. 94.]   1880.   G.   JENKINS, RHYS.   38 Southwood Avenue, Highgate, N. 1892.   JENKINSON, THOMAS   17 Windle St., St. Helens, Lancs. 1893.   JENNINS, HENRY HORWOOD   1896.   JENSEN, PETER.   180 Chapeltown Rd., Leeds.   17 Chancery Lane, W.C. [Venture, London.]   1910.   JOBSON, GEORGE   1897. A.M.   1901.   M.   JOHNS, JOHN HENRY   1896. A.M.   1907.   JOHNSON, ANDREW   1896. A.M.   1907.   JOHNSON, FREDERICK DWIGHT   1896. G.   1903. A.M.   JOHNSON, HENRY HOWARD   1896. G.   1903. A.M.   JOHNSON, HENRY HOWARD   1896. G.   1903. A.M.   JOHNSON, HENRY HOWARD   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1896. G.   1903. A.M.   JOHNSON, HENRY HOWARD   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red Chbrs., 9 Bridge St., Westminster, S.W.   1891.   Mensor Red			Messrs. Tangyes, Cornwall Works,
1882. M.)  1902. JEFFREYS, JOHN (11 Old Queen St., Westminster, S.W. [482 Westminster]  1901. JENKIN, BERNARD MAXWELL. (17 Victoria St., Westminster, S.W. [Kinematic, London.]  1893. {JENKIN, Professor CHARLES} FREWEN (Kinematic, London.]  1894. JENKIN, THOMAS HENRY (Messrs. J. Jamieson & Co., Queen's Dock Chbrs., Hull. [Propeller, Hull. 94.]  1880. G. JENKINS, RHYS 38 Southwood Avenue, Highgate, N. JENKINS, WILLIAM JOHN Beehive Works, Retford. 17 Windle St., St. Helens, Lancs. 1893. JENNINS, HENRY HORWOOD 180 Chapeltown Rd., Leeds. [1878. JENSEN, PETER (77 Chancery Lane, W.C. [Venture, London.]  1910. JOBSON, GEORGE {Messrs. Harrison, Son & Jobson, 2 Exchange Place, Middlesbrough. (Messrs. Vickers, Sons & Maxim, River Don Works, Sheffield. (P.O. Box 231, Johannesburg, Transvaal. (P.O. Box 231, Johannesburg, Transvaal. (Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W. (Bullawayo Rhodesia. (Mang. Displaced Red Palace). (Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W. (Bullawayo Rhodesia. (Mang. Displaced Red Palaced Red Red Red Red Red Red Red Red Red R	1881.	JEFFERISS, THOMAS	
1902. Jeffreys, John		JEFFREYS, EDWARD HOMER	
1901. Jenkin, Bernard Maxwell {17 Victoria St., Westminster, S.W. [Kinematic, London.]}  1893. {Jenkin, Professor Chables} Frewen	1902.	Jeffreys, John	
Messrs. J. Jamieson & Co., Queen's Dock Chbrs., Hull. [Propeller, Hull. 94.]  1880. G. Jenkins, Rhys	1901.	JENKIN, BERNARD MAXWELL	17 Victoria St., Westminster, S.W.
1894. Jenkin, Thomas Henry { Dock Chbrs., Hull. [Propeller, Hull. 94.] }  1880. G. 1886. M. }  1892. Jenkins, William John Beehive Works, Retford. 17 Windle St., St. Helens, Lancs. 1893. Jenkinson, Thomas 180 Chapeltown Rd., Leeds. 1878. Jensen, Peter {77 Chancery Lane, W.C. [Venture, London.] }  1910. Jobson, George {Messrs. Harrison, Son & Jobson, 2 Exchange Place, Middlesbrough. Messrs. Vickers, Sons & Maxim, River Don Works, Sheffield. 1907. Johns, John Henry {P.O. Box 231, Johannesburg, Transvaal. }  1896. A.M. }  1896. G. }  1897. Johnson, Frederick Dwight {  Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W. }  1898. G. }  1899. Johnson, Henry Howard {  Manger, Bushtick Mines Ltd., Bullawayo Rhodesia.}	1893.		
1886. M.)  1892. JENKINS, WILLIAM JOHN 1896. JENKINSON, THOMAS 1893. JENNINS, HENRY HORWOOD 1878. JENSEN, PETER.  1910. JOBSON, GEORGE 1897. A.M.) 1901. M.)  1907. JOHNS, COSMO 1896. A.M., 1909. M.)  1896. A.M. 1900. M.)  1896. G. 1903. A.M. 1903. A.M. 1904. JOHNSON, HENRY HOWARD 1896. G. 1903. A.M. 1904. JOHNSON, HENRY HOWARD 1897. A.M. 1898. G. 1898. G. 1898. G. 18998. G.		JENKIN, THOMAS HENRY	Dock Chbrs., Hull. [Propeller,
1892. JENKINS, WILLIAM JOHN 1896. JENKINSON, THOMAS 1893. JENNINS, HENRY HORWOOD 1894. JENNINS, HENRY HORWOOD 1895. JENSEN, PETER. 1906. JOBSON, GEORGE 1910. JOBSON, GEORGE 1897. A.M. 1901. M. 1901. M. 1907. JOHNS, JOHN HENRY 1896. A.M. 1900. M. 1905. JOHNSON, FREDERICK DWIGHT 1896. G. 1903. A.M. 1904. JOHNSON, HENRY HOWARD 1896. G. 1908. G. 1909. A.M. 1909. JOHNSON, HENRY HOWARD 1897. G. 1898. G. 1909. A.M. 18998. G. 19098. A.M. 19098. JOHNSON, HENRY HOWARD 18998. G. 19098. A.M. 18998. G. 19098. A.M. 18998. G. 19098. G. 19098. A.M. 18998. G. 19098. A.M. 18998. G. 19098. A.M. 18998. G. 189		Jenkins, Rhys	38 Southwood Avenue, Highgate, N.
1893. Jennins, Henry Horwood 180 Chapeltown Rd., Leeds. (77 Chancery Lane, W.C. [Venture, London.]  1910. Jobson, George (Messrs. Harrison, Son & Jobson, 2 Exchange Place, Middlesbrough. (Messrs. Vickers, Sons & Maxim, 1901. M.)  1897. A.M. Johns, Cosmo (River Don Works, Sheffield. (P.O. Box 231, Johannesburg, Transvaal. (P.O. Box 231, Johannesburg, Transvaal. (Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W. (Manager, Bushtick Mines Ltd., Bullawayo Bhodesia.		JENKINS, WILLIAM JOHN	Beehive Works, Retford.
1978. Jensen, Peter			
1910. JOBSON, GEORGE (Messrs. Harrison, Son & Jobson, 2 Exchange Place, Middlesbrough. 2 Exchange Place, Middlesbrough. (Messrs. Vickers, Sons & Maxim, River Don Works, Sheffield. P.O. Box 231, Johannesburg, Transvaal. (P.O. Box 231, Johannesburg, Transvaal. Heathbank Villa, Lenzie, Glasgow. Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W. (Manager, Bushtick Mines Ltd., Bullawayo Rhodesia.	1893.	JENNINS, HENRY HORWOOD	
1897. A.M. 1901. M. 1901. M. 1907. JOHNS, COSMO	1878.	JENSEN, PETER	[ London.]
1901. M.) JOHNS, COSMO (River Don Works, Sheffield.  1907. JOHNS, JOHN HENRY (P.O. Box 231, Johannesburg, Transvaal.  1896. A.M.) JOHNSON, ANDREW Heathbank Villa, Lenzie, Glasgow.  1905. JOHNSON, FREDERICK DWIGHT  1896. G. 1903. A.M.) JOHNSON, HENRY HOWARD (Manager, Bushtick Mines Ltd., Bullawayo Bhodesia.		Jobson, George	
1896. A.M. JOHNSON, ANDREW		Johns, Cosmo	River Don Works, Sheffield.
1900. M.) JOHNSON, ANDREW Heathbank Villa, Lenzie, Glasgow.  1905. JOHNSON, FREDERICK DWIGHT  1896. G. 1903. A.M. JOHNSON, HENRY HOWARD (Manager, Bushtick Mines Ltd., Bullawayo Bhodesia.	1907.	Johns, John Henry	
1905. JOHNSON, FREDERICK DWIGHT  Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W.  1896. G. 1903. A.M.  JOHNSON, HENRY HOWARD  Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W.  Mang. Director, Consolidated Pneumatic Tool Co., Palace Chbrs., 9 Bridge St., Westminster, S.W.		Johnson, Andrew	Heathbank Villa, Lenzie, Glasgow.
1903. A.M. JOHNSON, HENRY HOWARD Manager, Bushtick Mines Ltd.,		Johnson, Frederick Dwight	matic Tool Co., Palace Chbrs., 9
	1903. A.M.	Johnson, Henry Howard	

Linotyma

		(Canadian - American Linotype
1906.	JOHNSON, HENRY THEOPHILUS	Corpn., 8 Bouverie St., Fleet St., E.C.
		Moorfields House, York Street,
1890.	Johnson, John William	Clitheroe.
1891.	Johnson, Lacey Robert	Assist. Supt. of Rolling Stock, C.P. Rly., Montreal, Canada.
1888.	Johnson, Lawrence Potter	Loco. and Carr. Supt., Burma Rlys., Insein, Burma.
1861.	JOHNSON, SAMUEL WAITE (Past-President)	Lenton House, Lenton Rd., The Park, Nottingham.
1906.	JOHNSTON, ALEXANDER	Supt., P. W. D., Sandakan, Brit. North Borneo.
1900. A.M.)	Townson Carpy na Montgoy	(Boro' Electrical Eng., Electricity
1904. M.	Johnston, Charles Morison	Works, Shrewsbury. Chief Eng., Corpn. Water Works,
1896.	JOHNSTON, JAMES	12 Bond St., Brighton. [140.]
1907. 1890. G.)	JOLLY, CHARLES EUSTACE	Midland Hotel, Birmingham.
1899. A.M.	Jones, ARTHUR DANSEY	(Loco. Dept., Lancs. & Yorks. Rly.,
1905. M.	,	Horwich, Lanes.
1891.	JONES, CHARLES FREDERICK	104 Chorley New Road, Bolton.
1871.	Jones, Charles Henry	Hazeldene, Duffield, Derby. (Broomfield House, Perry Barr,
1873.	JONES, EDWARD	Birmingham.
1907.	JONES, EDWARD	Corpn. Gas Works, Burslem.
1884.	JONES, FELIX	39 Bloomsbury St., Birmingham.
1878.	Jones, Frederick Robert	Silverthorn, Camden Park, Tun-
1010.	outility a manufacture to be a second	bridge Wells.
1903.	Jones, George Phillips	Works Manager, Britannia Foundry, Loughborough; and 65
1300.	JONES, GEORGE PHILLIPS	Forest Rd., Loughborough.
1000	7 77 77	(142-3 Palace Chbrs., Bridge St.,
1878.	JONES, HARRY EDWARD	Westminster, S.W.
1881.	JONES, HERBERT EDWARD	Loco., Carr. & Wagon Supt., Cam-
	,	brian Rlys., Oswestry.  Steanbridge House, near Stroud,
1882.	JONES, SAMUEL GILBERT	Glos.
		(Municipal School of Technology,
1887.	JONES, THOMAS	Sackville St., Manchester; and
20011	JONES, THOMAS	4 Manley Road, Alexandra Park,
1900.	JONES, WALTER	Manchester. Titan Works, Stourbridge.
1500.	OUNES, WALLES	(Manager, Cardiff Junction Dry
1883.	JORDAN, EDWARD	Dock and Engineering Works,
		Cardiff.
		Municipal School of Technology,
1891.	JORDAN, HENRY GEORGE, Jun.	Sackville St., Manchester; and 6 Manley Rd., Whalley Range,
		Manchester.
		(Supt. of Motive Power, Canadian
1910.	Joughins, George Robert	Govt.Rlys., Moncton, New Bruns-
4004	Toron Torono II	wick, Canada.
1891.	JUDD, JOSEPH HENRY	The Yews, Heaton Moor, Stockport. (55 & 56 Chancery Lane, W.C.
1884.	JUSTICE, HOWARD RUDULPH	[Syng, London. Holborn 3.]

1888.	Kapteyn, Albert	47 Van Lennepweg, The Hague, Holland.
1904.	KAYE, WALTER KELITA	Lock Works, Hunslet, Leeds. [Wedge, Leeds. 506.]
1000 A M 1	KEATINGE, SHERBBOOKE AU-	Chief Storekeeper, N.W. Rly.,
1903. M.		Abbott Rd., Lahore, India.
1905. 11.)	GUSTUS JOHN	(Princes Chbrs., Corporation St.,
1904.	KEAY, JAMES	Birmingham. [Keay, Birming-
2001	and, vanus	ham. 430.]
		British United Shoe Machinery
1905.	KEAY, JAMES ALFRED	Co., Union Works, Belgrave Rd., Leicester.
1000	(KEEN, ARTHUR (Vice-Presi-	London Works, near Birmingham.
1869.	( dent)	[Globe, Birmingham.]
1883. G.)	KEEN, FRANCIS WATKINS	London Works, near Birmingham.
1889. M.	KEEN, FRANCIS WATKINS	(Manager, Messrs. Oakes & Co., 9
1901.	KEIGHTLEY, ALFRED PERCIVAL	Broadway, Madras.
1904.	KEITH, JAMES	27 Farringdon Avenue, E.C.
1881.	KENDAL, RAMSEY	Greylands, 37 Dunmore Road, Wimbledon.
		Emeritus Prof. of Engineering,
	(KENNEDY, Sir ALEXANDER	Univ. Coll., London: 17 Victoria
1879.	BLACKIE WILLIAM, LL.D.,	St., Westminster, S.W. [Kine-
	F.R.S. (Past-President)	matic, London.]
		(The Glenfield Engineering Works,
1892.	KENNEDY, THOMAS	Kilmarnock.
		(Messrs. A. Kenrick & Sons, Spon
1055	(KENRICK, Sir GEORGE HAMIL-	Lane, West Bromwich; and
1875.	TON	Whetstone, Somerset Rd., Edg-
	(	baston, Birmingham.
		Messrs. Archibald Kenrick & Sons,
1000	Verynam Town Independen	Spon Lane, West Bromwich;
1902.	KENRICK, JOHN ARCHIBALD	and Harborne House, Harborne,
		Birmingham.
1892.	KENSINGTON, FREDERICK	The Crest, Caterham, Surrey.
1907.	KERFOOT, JAMES	Manager, Ewo Cotton Spinning and
		Weaving Co., Shanghai, China.
1906.	KERMODE, JOHN JONATHAN	Liverpool.
	KERR, ALFRED ERNEST CAMP-)	7 Lydiard St., Ballarat, Victoria.
1900. M.	BELL (Life Member) )	
1866.	Kershaw, John	Hanover Court, Hanover Square, W.
1906.	KERSHAW, THOMAS	170 Sannomiya-cho, 1 chome,
	,	Kobe, Japan. Vid Siberia.
1903.	KETT, GEORGE	(11 Queen Victoria St., E.C. [Hoisters, London. Bank 8356.]
1885. G.)		Central Cuban Rlys., Sagua la
1888. M.	KEYWORTH, THOMAS EGERTON	Grande, Cuba.
,	Y TT	15 Mansfield St., Glebe Point,
1885.	KIDD, HECTOR	Sydney, N.S.W.
1903. A.M.)	KIND TOWN WHITE	Messrs. Kerr, Stuart & Co., Stoke-
1907. M.	KIDD, JOHN WILLIAM	on-Trent.
		Manager, Messrs. Gresham and
1894.	Kiernan, George	Craven, Craven Iron Works,
		Salford, Manchester.
1888.		Supt. Eng., Hirano Spinning Mill,
1000.	KIKUCHI, KYOZO	Osaka, Japan.

Dat	e of	Election
and	of 7	Transfer.

		(Holly Hall, Harrison St., East
1899.	KILGOUR, MARTIN HAMILTON	Orange, N.J., U.S.
1899. G. 1901. A.M. 1907. M.	KIMBER, HARRY WATKINS	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.
1895.	King, Charles Penrose	Eng., Bexhill Water & Gas Co., 5 Sedgwick Rd., Bexhill-on-Sea.
1900.	KING, CHARLES PHILIP	185 Upper Richmond Rd., Putney,
1897.	KING, HENRY CHARLES	G.W. Rly. Works, Swindon.
1902. A.M.) 1908. M.	KING, HENRY JAMES HUBERT	Nailsworth, Stroud, Glos.
1895.	KING, THOMAS SCOTT	43 Westbourne Rd., Penarth.
1872.	KING, WILLIAM	5 Beach Lawn, Waterloo, Liverpool. 28 Petteril St., Carlisle.
1877. 1884.	KIRK, HENRY	101 Leadenhall St. E.C. [Com-
		pactum, London.]
1899.	KIRKALDY, WILLIAM GEORGE	99 Southwark St., S.E. [2439 Hop.] (Messrs. Behn Meyer & Co., Singa-
1902.	KITCHING, ALFRED	pore, Straits Settlements.
1908.	KLOPP, GEORGE ONNO HOM-	Messrs. George Kent, 199-204A High Holborn, W.C.
1889.	KNAP, CONRAD	11 Queen Victoria St., E.C.
1886.	KNIGHT, CHARLES ALBERT	6 Upper Avenue Rd., Hampstead, N.W.
1890.	KNIGHT, JAMES PERCY	Kaiser Steam Tug Co., 27 Great Tower St., E.C., [Longboat, London. Avenue 203.]
1908.	KNIGHT, JOHN DOUGLAS	Boro' Electrical Eng., Ealing Corporation, Town Hall, Ealing, W.
1903.	KNIGHT, WILLIAM EDWARD	Motive Power Supt., Cuba Railroad Co., Camaguey, Cuba.
1900.	Knowles, John	Messrs. Bradbury, Brady & Co., Bombay, India.
1908.	Koziell, Eng. Captain Joseph Poklewski, I.R.N	Imperial Russian Embassy, 26 Gledhow Gardens, South Kensington, S.W.
1908.	KROTO, GEORGE	Messrs. Takata & Co., 88 Bishops- gate St. Within, E.C.
1905.	KURODA, TSUNEMA	Müke Coal Mines, Chikugo, Japan.
1896.	Kwang, Kwong Yung (Life Member)	Eng., Lin-cheng Mines, Lin- Tcheng Sien, Lu-Han Rly., vid Peking, North China.
1909.	Kwong, Wong	General Manager, Yangtse Engineering Works, Hankow, China.

1909. LACEBDA, ANTONIO CARLOS DE
1906. LACEY, ERNEST MATTHEW ..
1907. LACHENAL, ALEXANDER .. ..
1909. LACKIE, WILLIAM WALKER ..

Manager, Cooperativa Alcoolica da Bahia, Santo Amaro Foundry, Bahia, Brazil. Iddesleigh Mansions, Caxton St., Westminster, S.W. 195 Ferme Park Road, Hornsey, N. Chief Eng., Corporation Electricity Dept., 75 Waterloo St., Glasgow.

1911.

and of Transfer.		
1898.	Lackland, John James	Water Eng., Town Hall, St. Helens, Lancs. [69.]
1897. A.M.) 1906. M.)		91 Victoria St., Westminster, S.W.
1903.	LAMBERT, HAROLD	Messrs. Hudswell, Clarke & Co., Railway Foundry, Leeds.
1897.	LAMBERT, WILLIAM FRASER	Messrs. G. S. Goodwin & Co., 19 James St., Liverpool.
1883. G. 1902. M.	LANDER, PHILIP VINCENT	441 Bartolomé Mitré 2°. Piso, Buenos Aires, Arg. Rep.
1896.	Lane, Francis Lawrence	Leeds Forge, Leeds.  Messrs. John Lang & Sons, John-
1906.	LANG, ROBERT (Life Member)	stone, Glasgow.  St. Margaret's, Babbacombe, Tor-
1881.	Langdon, William	quay.
1907.	(Lange, Ernest Frederick Stephen	Messrs. Beyer, Peacock & Co., Gorton Foundry, Manchester.
1881.	(Lange, Frederick Montague) Townshend	Messrs. Samuel McGregor & Co., Shanghai, China. (Managing Director of Works,
1910.	LANGE, PHILIP AUGUST	British Westinghouse Co., Trafford Park, Manchester.
1879.	LAPAGE, RICHARD HERBERT	Sheen House, Walmer. [Lapage, Walmer.]
1895. A.M. 1902. M.	Larard, Charles Edward	Engineering Department, Northampton Institute, Clerkenwell, E.C.
1894. G.) 1898. A.M.) 1908. M.)	LARMUTH, WILLIAM OLIVER	(Todleben Iron Works, Unwin St., Cross Lane, Salford, Manchester; and Westleigh, Norwood Avenue, Southport.
1899. A.M.) 1903. M.)	LASH, HORATIO WILLIAM	Manager, Albion Works, Sheffield.
1888.	LATHAM, BALDWIN	Parliament Mansions, Victoria St., S.W.; and Park Hill House, Stanhope Rd., Croydon.
1899. 1904.	LATTA, JAMES GILMORE LAWES, GEORGE ELLIOT	78 Billiter Buildings, E.C. 41 Stacey Road, Cardiff.
1905.	LAWRENCE, MAXIMILIAN ROBERT	(158 Hagley Rd., Edgbaston, Birmingham.
1905.	LAWRIE, PETER STANLEY	Royal Oak Hotel, Wellington, New Zealand.
1882.	Lawson, Frederick William	Hope Foundry, Leeds. (Victoria St. Works, Sheffield; and
1889.	LAYCOCK, WILLIAM S	Ranmoor, Sheffield. [Invention, Sheffield. 907.]
1906. 1902.	LAYTON, HENRY EDWARD LAZENBY, ARTHUR	Apartado 82, Bilbao, Spain. 124 College Road, Bromley, Kent.
1901. A.M.) 1905. M.)	LEA, FREDERICK MACKENZIE	Messrs. Henry Lea & Son, 38 Bennett's Hill, Birmingham. [Engineer, Birmingham. 113.]
1860.	(LEA, HENRY (Member of Council)	38 Bennett's Hill, Birmingham. [Engineer, Birmingham. 113.]
1906.	LEA, JAMES EDWARD	28 Deansgate, Manchester.
1892. 1889.	LEAF, RICHARD HENRY LEAF, HENRY MEREDITH	Messrs. Lea & Francis, Coventry. 4 Barton St., Westminster, S.W.
1883.	LEAVITT, EBASMUS DARWIN	317 Harvard St., Cambridge, Mass.,
		( U.S.

1903. 1907.	A.M.)	LE CLAIR, LOUIS JEAN	Moorgate Works, Moorfields, E.C.
1890.	111.)	LEDINGHAM, JOHN MACHRAY	Royal Laboratory, Royal Arsenal,
1892.		LEE, RICHARD JOHN	Woolwich. City Foundry, Limerick.
1890.	<i>a</i> ,	LEE, SAMUEL EDWARD	City Foundry, Limerick.
1889. 1890.	(f.) M.	LEGROS, LUCIEN ALPHONSE	Melbury, Clarendon Rd., Watford.
1909.		LEIGH, FREDERICK AUGUSTUS CORTEZ	Chief Electrical Eng., L. & N.W. Rly., Euston, N.W.
1896.		LEISSE, GEORGE CHARLES	5 Rue Pergolèse, Paris (XVIe).
1897. 1902.	A.M.)	LEITCH, ARCHIBALD	36 Dale St., Liverpool.
1908.		LEITCH, DONALD CALDER	64 Gloucester Rd., Kew, Surrey.
1910.		LELEAN, WILLIAM ARTHUR	c/o Sir Alexander Rendel, K.C.I.E., 13 Dartmouth St., Westminster, S.W.
1898.		LEOPARD, CHARLES WILLIAM	33 Parkhurst Rd., Holloway, N. (Dartmouth House, 2 Queen Anne's
1905.		LESLIE, BRADFORD	Gate, Westminster, S.W.
1901.	٠	Leslie, William	Palace Chbrs., St. George's Terrace, Perth, W. Australia.
1905.		L'Estrange, ARTHUR HENRY	14 and 5 The Clock House, Arundel
		CARLETON	St., Strand, W.C. Moss Side, Man-
1878.		LEWIS, GILBERT	chester. (Engineer, Corpn. Hydraulic Power
1905.		LEWIS, LEWIS HOLME	Supply, Whitworth St. West, Manchester.
1884.		(LEWIS, Sir WILLIAM THOMAS, Bart., K.C.V.O. (Vice-President)	Bute Mineral Estate Office, Aberdare; and Mardy, Aberdare.
1894.		LIEBERT, HENRY ANTON	Messrs. John Holroyd & Co., Perseverance Works, Milnrow, Rochdale.
			35 Queen Victoria St., E.C.
1880.		LIGHTFOOT, THOMAS BELL	[Separator, London.]; and 22 Thorney Court, Palace Gate, W.
1903.		LILLY, WALTER ELSWORTHY,	Assist. Prof. of Civil Engineering, 39 Trinity College, Dublin.
1905.	A.M.	D.Sc	Wellesley 1st Lane, Calcutta,
1908.	M.	JEWERS	\ India. (Manager, Messrs. Kendall & Gent,
1903.		LINDLEY, HERBERT	Victoria Works, Gorton, Man-
1901.		LINDSAY, ROBERT	chester. Somerville House, Dundee.
1891.		LINDSAY, WILLIAM ROBERTSON	Roselinn Cottage, 213 Clepington Rd., Dundee.
1890.		LINEHAM, WILFRID JAMES	Goldsmiths' Institute, New Cross, S.E.; and 21 Newstead Rd., Lee,
			Resident Eng., Corpn. Tramways,
1902.		LIRONI, VITTOBIO GIOVANNI	Power Stn., Fratton, Portsmouth; and Como Villa, Cousins
2002.		Janona, Francisco Giotanni	Grove, East Southsea, Portsmouth.
1876.		LISHMAN, THOMAS	Eppleton Hall, Hetton-le-Hole, Co. Durham.

1890.	LISTER, ROBERT RAMSBOTTOM	11 Athol Rd., Alexandra Park, Manchester.
1900.	{LITTLE, Eng. Rear-Admiral} EDWIN, R.N.	H.M. Dockyard, Chatham.
1904.	LITTLE, JOHN	General Manager, Messrs. Cammell, Laird & Co., Cyclops Steel and Iron Works, Sheffield.
1905.	LITTON, FRANCIS HENRY	714 Anlaby Rd., Hull.
1890.	LIVENS, FREDERICK HOWARD	Messrs. Ruston Proctor & Co., Sheaf Iron Works, Lincoln.
1900.	LIVERSEDGE, Eng. Commander HENRY THOMAS, R.N., ret.	c/o The Manager, Birkbeck Bank, High Holborn, W.C.
1901. A.M.) 1903. M.)		Loco. Supt., Co. Donegal Rlys. Joint Committee, Stranorlar, Co. Donegal.
1895.	LIVINGSTON, JAMES	30 Great St. Helen's, E.C. [Cine- rary, London.]
1886.	LIVSEY, JOHN EDWARD	34 Octavia St., Battersea, S.W.
1905.	LINDSAY, R.E., ret	44 Avenue Mansions, Finchley Rd., N.W.
1907.	LLOYD, RICHARD	Château Margot, East Coast, Demerara, British Guiana.
1882.	LLOYD, ROBERT SAMUEL	Messrs. Hayward Tyler & Co., 99 Queen Victoria St., E.C.
1898.	LOBNITZ, FRED	[Tylerox, London. 192 Bank.] Messrs. Lobnitz & Co., Renfrew, near Paisley; and Ross Hall, Crookston, Renfrewshire.
1879.	LOCKHART, WILLIAM STRONACH	67 Granville Park, Blackheath, S.E.
	Longbottom, Professor John	Glasgow and W. of Scotland Tech-
1905. M.) 1909.	GORDON	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1902. A.M.) 1908. M.)	Longley, Reginald	28 Gledstanes Rd., West Kensington, W.
1880.	{LONGRIDGE, MICHAEL (Vice-President)	Chief Eng., British Engine, Boiler and Electrical Insurance Co., 12 King St., Manchester.
1856.	Longridge, Robert Bewick	Managing Director, British Engine, Boiler and Electrical Insurance Co., 12 King St., Manchester; and Yew Tree House, Tabley, Knutsford.
1875.	Longridge, Robert Charles	Kilrie, Knutsford.
1880.	Longworth, Daniel	Messrs. Alcock, Ashdown & Co., Mazagon, Bombay.
1899.	LIAM, R.N	93 London Road, Portsmouth.
1887.	LORRAIN, JAMES GRIEVE	[Norfolk House, Norfolk St., W.C. [Lorrain, London.]
1901.	Loud, Henry Sherman	165 Broadway, New York, United States.
1898. A.M.) 1910. M.)		c/o Guy Anderson, The Whins, Troon.
1888.	Low, Professor David Allan	East London College, Mile End Rd., E.

_		(Monifieth Foundry, Monifieth,
1903.	Low, William	Dundee. [Low, Monifieth. 1 Monifieth.]
1909.	LOWCOCK, SIDNEY RICHARD	50 Queen Anne's Gate, West- minster, S.W.
1873. 1889.	Lucas, Arthur Lucy, Arthur John	27 Bruton St., New Bond St., W. Areley House, Stourport.
1897.	Lucy, Ernest Edward	Govt. Rlys., Eveleigh, Sydney, N.S.W.
1886. G. 1890. M.	LUCY, WILLIAM THEODORE	107 Woodstock Rd., Oxford.
1902.	LUKIS, WILFRID RAVENSHAW FELLOWES	Rising Sun Petrol Co., Yokohama, Japan.
1903.	LUMLEY, GASCOIGNE	Marine Department, Lagos, Southern Nigeria.
1895.	Lumsden, Thomas Temple-	Managing Director, Messrs. James Milne & Son, Milton House
1877.	LUPTON, ARNOLD	Works, Edinburgh. 7 Victoria St., Westminster, S.W.
1000		[5078 Westminster.] [Messrs. Joshua Buckton & Co.,
1900.	LUPTON, WILLIAM WALTER	Well House Foundry, Meadow Rd., Leeds; and Malton.
1911.	Lyon, Alexander Gobdon	Messrs. D. Napier and Son, Acton, W.
1902. A.M.) 1908. M.)		164 Haverstock Hill, N.W.
1907.	Macartney, James	Dixson Bldgs., 64 Pitt St., Sydney,
1907. 1888.	Macartney, James Macbeth, John Bruce King	N.S.W. 44 Tamarind Lane, Bombay, India.
		N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 West-
1888.	Macbeth, John Bruce King	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.]
1888.	Macbeth, John Bruce King	N.S.W. 44 Tamarind Lane, Bombay, India. (Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] (Works Manager, Messrs. Otto Trechmann, Warren Cement
1888. 1883.	Macbeth, John Bruce King Macbeth, Norman	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta,
1888. 1883. 1905. 1907. 1884.	MacBeth, John Bruce King MacBeth, Norman  McBride, William  McCall, Duncan  MacCarthy, Samuel	N.S.W. 44 Tamarind Lane, Bombay, India. (Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] (Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. (Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W.
1888. 1883. 1905. 1907. 1884. 1877,	MacBeth, John Bruce King MacBeth, Norman	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embecco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape
1888. 1883. 1905. 1907. 1884. 1877. 1905.	MacBeth, John Bruce King  MacBeth, Norman  McBride, William  McCall, Duncan  MacCarthy, Samuel  MacColl, Hector  McColl, Hugh	N.S.W. 44 Tamarind Lane, Bombay, India. (Caxton House, Westminster, S.W. [Embecco, London. 5696 Westminster.] (Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. (Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast.
1888. 1893. 1905. 1907. 1884. 1877. 1905.	MacBeth, John Bruce King MacBeth, Norman	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. [Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. [Transkeian Collieries, Cala, Cape Colony. [The Gables, Singleton Rd., Kersal, Manchester.]
1888. 1883. 1905. 1907. 1884. 1877. 1905.	Macbeth, John Bruce King  Macbeth, Norman  McBride, William  McCall, Duncan  MacCarthy, Samuel  MacColl, Hector  McColl, Hugh  McCowen, Victor A. H  McCredie, Arthur Latimer	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embecco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape Colony. The Gables, Singleton Rd., Kersal, Manchester. 9 Bridge St., Sydney, N.S.W. [Ebony, Sydney. 63.]
1888. 1893. 1905. 1907. 1884. 1877. 1905.	MacBeth, John Bruce King MacBeth, Norman	N.S.W.  44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape Colony. The Gables, Singleton Rd., Kersal, Manchester. 9 Bridge St., Sydney, N.S.W. [Ebony, Sydney. 63.] South St. Roque's Works, Dundee. [Medalist, Dundee. 239.]
1888. 1883. 1905. 1907. 1884. 1877. 1905. 1898.	Macbeth, John Bruce King Macbeth, Norman  McBride, William  McCall, Duncan  MacCarthy, Samuel  MacColl, Hector  McColl, Hugh  McCowen, Victor A. H  McCredie, Arthur Latimer  {MacDonald, David John-	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape Colony. The Gables, Singleton Rd., Kersal, Manchester. 9 Bridge St., Sydney, N.S.W. [Ebony, Sydney. 63.] South St. Roque's Works, Dundee. [Medalist, Dundee. 239.] York Buildings, Hong Kong, China.
1888. 1883. 1905. 1907. 1884. 1877. 1905. 1898. 1891.	MacBeth, John Bruce King MacBeth, Norman	N.S.W.  44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape Colony. The Gables, Singleton Rd., Kersal, Manchester. 9 Bridge St., Sydney, N.S.W. [Ebony, Sydney. 63.] South St. Roque's Works, Dundee. [Medalist, Dundee. 239.] York Buildings, Hong Kong, China. 65 West Regent St., Glasgow.  [Kindat, Glasgow.]
1888. 1883. 1905. 1907. 1884. 1877. 1905. 1898. 1891. 1897. 1904.	MacBeth, John Bruce King MacBeth, Norman  McBride, William  McCall, Duncan  MacCarthy, Samuel  MacColl, Hector  McColl, Hugh  McCowen, Victor A. H  McCredie, Arthur Latimer  {MacDonald, David Johnstone  MacConald, Donald	N.S.W. 44 Tamarind Lane, Bombay, India. Caxton House, Westminster, S.W. [Embeeco, London. 5696 Westminster.] Works Manager, Messrs. Otto Trechmann, Warren Cement Works, Hartlepool. Messrs. Jessop & Co., Calcutta, India. 8 Woodfield Avenue, Ealing, W. Bloomfield, Belfast. Transkeian Collieries, Cala, Cape Colony. The Gables, Singleton Rd., Kersal, Manchester. 9 Bridge St., Sydney, N.S.W. [Ebony, Sydney, 63.] South St. Roque's Works, Dundee. [Medalist, Dundee. 239.] York Buildings, Hong Kong, China. 65 West Regent St., Glasgow.

Macdonald, James Turniff Siristol Wagon Works, Lawrence Hill, Bristol.   Bridge Turbine Works, Pollokshaws. Z 243.	_	_		
Same Glasgow   Commuting   Pollokshaws   Z 243   1878   G.   1880   McDonald, John Alexander   Pollokshaws   Z 243   1890   McDonald, William, R.N.R.   1905   McFarlane, John Alexander   Good Bard, Singapor, Straits Settlements   Glence Terrace, The Grove, Wandsworth, S.W.   McSers, Vickers, Sons & Maxim, Barrow-in-Furness   Glence Terrace, The Grove, Wandsworth, S.W.   Messrs, Vickers, Sons & Maxim, Barrow-in-Furness   Glence Terrace, The Grove, Wandsworth, S.W.   Messrs, Vickers, Sons & Maxim, Barrow-in-Furness   Glence of Works, Storey's   Gate, S.W.; and Brayoott, Egmont Rd., Sutton, Surrey.   Lombard Street Works, Dublin   Albion Works, Laighpark, Paisley.   [137]   Manager, Messrs. Sanderson Bros. and Newbould, Sheffield.   Glasgow and W. of Scotland Technical College, Glasgow.   McSers, Potter & Co., Hollins Paper   Mills, Darwen   Ivanhoe, Buckingham Avenue, Setton Park, Liverpool.   Govt. Supt., Marine Surveys, Bangkok, Basrow-in-Furness.   Govt. Supt., Marin	1903.			
1878. G. 1905. M. McDonald, John Alexander (2) Messrs, McDonald, Scales & Co., 4 Chapel St., Cripplegate, E.C. Tanjong Pagar Dock Board, Singapore, Straits Settlements.  1905. McFarlane, John Alexander (2) McGarlane, John Alexander (3) McGarlane, John Alexander (4) McGarlane, John Alexander (4) McGarlane, John Alexander (5) Messrs. Vickers, Sons & Maxim, Barrow-in-Furness.  1899. A.M. 1910. M. McGee, Walter (2) Gate, S.W.; and Braycott, Egmont Rd., Sutton, Surrey.  1895. McGee, Walter (2) Manager, Messrs. Sanderson Bros. and Newbould, Sheffield. (3) Glassy and W. of Scotland Technical College, Glasgow. M. McIvor, Benjamin Robert (4) MacKay, Joseph (4) MacKay, Joseph (5) MacKennie, John William (4) MacKennie, John (5) McLaren, John (6) McLaren, John (7) McLaren, John (7) McLaren, John (7) McLaren, John (8) McLaren, John Alexander (8) McLaren, John (8) McLaren, John (8) McLaren, John Alexander (8) McLaren, John Alexander (8) McLaren, John (8) McLaren, John Alexander (8) McLaren, John Alexander (8) McLaren, John Alexander (8) McLaren, John (8) McLaren, Jeeds. (9) McLaren, Jeed	1899.		Macdonald, John	shaws, Glasgow. [Consulting,
1905. A.M. McFarlane, John Alexander Wandsworth, S.W. 1909. McFarlane, Lauchlan Grant Barrow-in-Furness. 1899. A.M. McGerran, Howard A			McDonald, John Alexander	comessrs. McDonald, Scales & Co.,
1905. McFarlane, John Alexander 1909. McFarlane, Lauchlan Grant 1909. McFarlane, Lauchlan Grant 1899. A.M. 1910. M.) 1895. MacGarvey, Howard A. 1895. MacGarvey, Howard 1896. MacGregor, James 1906. MacGregor, James 1897. A.M. 1902. McIvor, Alexander 1904. M.) 1909. McKechnie, John William 1901. McKechnie, James 1885. MacKenzie, John William 1886. MacKenzie, John William 1887. MacKenzie, Thomas Brown 1888. McLaren, Henry 1888. McLaren, Henry 1888. McLaren, Henry 1888. McLaren, John 1889. McLaren, Raynes Lauder 1880. McLaren, Brenty 1880. McLaren, Raynes Lauder 1880. McLa	1905. A	J.M.	McDonald, William, R.N.R.	Tanjong Pagar Dock Board, Singa-
Barrow-in-Furness.  H. M. Office of Works, Storey's Gate, S.W.; and Braycott, Egmont Rd., Sutton, Surrey.  Lombard Street Works, Dublin.  Albion Works, Laighpark, Paisley.  [187.]  1896. MacGregor, James  1897. A.M. 1904. M. 1902. McIvor, Alexander  1890. Mackay, Joseph  1890. Mackay, Joseph  1890. Mackenzie, John William.  1901. McKechnie, James  1885. MacKenzie, John William.  1886. MacKenzie, John William.  1887. M. 1888. McLaren, John  1888. McLaren, Henry  1890. Mackay, Joseph  1880. McLaren, Henry  1880. McLaren, Henry  1880. McLaren, John  1880. McLaren, John  1880. McLaren, John  1880. McLaren, Henry  1880. McLaren, John  1880. McLaren, John Alexander  1880. McLaren, John  1880. McLaren, John Alexander  1880. McLaren, John  1880. McLaren, John Alexander  1880. McLaren, John  1880. McLaren, Raynes Lauder  1880. McLaren, Raynes Lauder  1880. McLaren, Geds. Genl. Manager, Messrs. Andrew Handyside & Co., Britannia Iron Works, Derby.  1880. McLaren, Geds. Genl. Manager, Messrs. Andrew Handyside & Co., Renfrew, Bebook and Wilcox Co., Renfrew, Leeds.	1905.		McFarlane, John Alexander	,
MacGarvey, Howard A.   Gate, S.W.; and Braycott, Egmont Rd., Sutton, Surrey. Lombard Street Works, Dublin.	1909.		McFarlane, Lauchlan Grant	Barrow-in-Furness.
1895. MacGarvey, Howard			McFerran, Howard A	Gate, S.W.; and Braycott, Eg-
1906. MacGregor, James	1895.		MacGarvey, Howard	
Bros. and Newbould, Sheffield. Glasgow and W. of Scotland Technical College, Glasgow.  McIntyre, John Henry A  1904. M. MacIvor, Alexander  1902. McIvor, Benjamin Robert  1909. Mackay, Joseph  Mackay, Joseph  Mackenzie, John William  1901. McKechnie, James  Mackenzie, John William  1885. Mackenzie, John William  1886. Mackenzie, Thomas Brown  1887. Mackie, William Arbuckle  1888. McLachlan, John  1888. McLachlan, Robert  Maclaren, Henry  McLaren, John  McLaren, John  McLaren, John  McLaren, John  McLaren, John  McLaren, John Alexander  McLaren, Raynes Lauder  McLaren, Raynes Lauder  McLaren, Messrs. David Colville & Sons, Dalzell Steel and Iron Works, Motherwell; and Netherby, Manse Rd., Motherwell.  Govan Shipbuilding Yard, Govan, Glasgow.  Thistle Engine Works, Paisley.  [Bow. Paisley.]  Hazelbury Bryan, Sturminster Newton, S.O., Dorset, Midland Engine Works, Leeds.  [McLaren, Leeds.]  McSsrs. Potter & Co., Hollins Paper Mills, Dalegow.  McStructure, Sons and Maxim, Naval Construction Works, Messrs. Andrew Handyside & Co., Britannia Iron Works, Derby.  Baboock and Wilcox Co., Renfrew,	1895.		McGee, Walter	[137.]
1897. A.M.) 1897. A.M.) 1890. McIvor, Benjamin Robert 1890. Mackay, Joseph 1891. McKechnie, James 1892. McKechnie, James 1893. G. 1902. M.) 1896. Mackenzie, Thomas Brown 1897. Mackenzie, Thomas Brown 1898. McLachlan, John 1898. McLaren, Henry 1899. McLaren, John Alexander 1899. McLaren, John Alexander 1899. McLaren, Raynes Lauder 1899. McLaren, McLaren, McLaren, McLaren, Leeds. Genl. Manager, Messrs. Andrew Handyside & Co., Britannia Iron Works, Derby. 1899. McLaren, Raynes Lauder 1899. McLaren, Restrance 1899. McLaren, Raynes Lauder 1899. McLaren, McLa	1906.		MacGregor, James	Bros. and Newbould, Sheffield.
1897. A.M. 1904. M. MacIvor, Alexander	1889.		McIntyre, John Henry A	
Sefton Park, Liverpool.  Govt. Supt., Marine Surveys, Bangkok., Siam. [Mackay, Bangkok.]  McKechnie, James  McKechnie, James  Mackenzie, John William  Mackenzie, John William  Mackenzie, Thomas Brown  Mackenzie, John William  Govan Shipbuilding Yard, Govan, Glasgow  Thistle Engine Works, Paisley  [Bow, Paisley.]  Hazelbury Bryan, Sturminster Newton, S.O., Dorset  Midland Engine Works, Leeds  McLaren, John  McLaren, John  McLaren, John  McLaren, John Alexander  Mackenzie, John Melander  Messrs. G. Grinyer & Co., 4 & 6 Green St., Stepney, E.  Mackenzie, John Melander  Messrs. G. Grinyer & Co., 4 & 6 Green St., Stepney, E.  Mackenzie, John Alexander  McLaren, Raynes Lauder  McLaren, Raynes Lauder  McLaren, Raynes Lauder  McLaren, McLaren, Ander  Baboock and Wilcox Co., Renfrew, Babcock			MacIvor, Alexander	Messrs. Potter & Co., Hollins Paper
1890. Mackay, Joseph	1902.		McIvor, Benjamin Robert	
McKechnie, James	1890.			Govt. Supt., Marine Surveys, Bang-
ffeet, Weybridge.  Messrs. David Colville & Sons, Dalzell Steel and Iron Works, Motherwell; and Netherby, Manse Rd., Motherwell.  Govan Shipbuilding Yard, Govan, Glasgow.  McLachlan, John [Bow, Paisley.]  Hazelbury Bryan, Sturminster Newton, S.O., Dorset.  McLaren, Henry [Midland Engine Works, Leeds.]  McLaren, John [McLaren, Leeds.]  McLaren, John	1901.		McKechnie, James	Messrs. Vickers, Sons and Maxim, Naval Construction Works, Barrow-in-Furness.
1883. G. 1902. M. MACKENZIE, THOMAS BROWN  1906. MACKIE, WILLIAM ARBUCKLE  1880. MCLACHLAN, JOHN	1885.		MacKenzie, John William	fleet, Weybridge.
1880. McLachlan, John		G.)	Mackenzie, Thomas Brown	Dalzell Steel and Iron Works, Motherwell; and Netherby, Manse Rd., Motherwell.
1880. McLachlan, John \ [Bow, Paisley.] 1875. Maclagan, Robert \ Newton, S.O., Dorset. 1888. McLaren, Henry \ [Midland Engine Works, Leeds.] 1903. McLaren, John \ [McLaren, Leeds.] 1904. McLaren, John \ [McLaren, Leeds.] 1905. McLaren, John \ [McLaren, Leeds.] 1906. A.M. \ 1900. A.M. \ 1902. M. \ McLaren, John Alexander \ 1904. McLaren, Raynes Lauder \ [13 Broomfield Crescent, Headingley, Leeds.] 1884. M. \ McLaren, Raynes Lauder \ Handysig & Co., Britannia Iron Works, Derby. 1890. McLaren, Pichard Andrew \ Handysig & Co., Britannia Iron Works, Derby. 1890. McLaren, Pichard Andrew \ Handysig & Co., Britannia Iron Works, Derby.	1906.		MacKie, William Arbuckle	Glasgow.
1875. MACLAGAN, ROBERT \ Newton, S.O., Dorset.  1888. McLaren, Henry \ \ \ \text{Midland Engine Works, Leeds.} \  \  \  \ \ \ \ \ \ \ \ \ \ \ \ \ \	1880.		McLachlan, John	
1903. McLaren, John	1875.		Maclagan, Robert	Hazelbury Bryan, Sturminster Newton, S.O., Dorset.
1903. McLaren, John	1888.		McLaren, Henry	Midland Engine Works, Leeds. [McLaren, Leeds.]
1903. McLaren, John Green St., Stepney, E. 1900. A.M., 1902. M., McLaren, John Alexander ley, Leeds. 1882. G., 1884. M., McLaren, Raynes Lauder	1903.		McLaren, John	Midland Engine Works, Leeds. [McLaren, Leeds.]
1902. M.) MCLAREN, JOHN ALEXANDER (ley, Leeds.  1882. G.) MCLAREN, RAYNES LAUDER (Genl. Manager, Messrs. Andrew Handyside & Co., Britannia Iron Works, Derby.  1800. McLAREN, PICHARD, ANDREW, Babcock and Wilcox Co., Renfrew,			McLaren, John	Green St., Stepney, E.
1884. M. McLaren, Raynes Lauder Handyside & Co., Britannia Iron Works, Derby.  1899. McLaren, Program Ampress (Babcock and Wilcox Co., Renfrew,		1	McLaren, John Alexander	ley, Leeds.
Works, Derby.  1800  McLaphy Program Ampress (Babcock and Wilcox Co., Renfrew,	1882.	G.)	McT approx Parrows T approx	
		111.)		Works, Derby.
	1899.		McLaren, Richard Andrew	

(Managing Director, Messrs. John

1910.	McLaren, William	Blackwood, Barbados, West Indies.
1901.	ANDER	P.O. Box 1209, Johannesburg, Transvaal.
1901.	MACLURE, WILLIAM GEORGE PERCY	Loco. Running Supt., G.C. Rly., Gorton, Manchester.
1902.	A.M.) McMarrow Torry Tograph	Corpn. Tramways, 55 Piccadilly,
1906.	M. S MCHAHON, JOHN JUSEPH	Manchester. Chief Eng., City and S. London
1904.	McMahon, Peter Valentine	Rly., 195 Clapham Rd., S.W.
1901.	Macmillan, Colin Campbell	Chief Engineer, Vancouver Fiji Sugar Co., Fiji.
1902. 1909.	$\left. egin{array}{ll} A.M. \\ M. \end{array}  ight\}$ Macnab, Thomas Pollock	Britannia Machine Tool Works, Bredbury, Manchester. [Macnab, Woodley. 289 Stockport.] (Asst. Loco. Supt., Cape Govt. Rlys.,
1902.	MacNay, Arthur	P.O. Box 742, Cape Town, Cape Colony.
		Messrs. John McNeil & Co., Helen
1885.	McNeil, John	St., Govan, Glasgow. [Colonial, Glasgow.]
1896.	McPherson, Stewart	Consulting Eng. to Barnagore Jute Factory Co., Calcutta: Oakdene, Downfield, Dundee.
1901.	MacQueen, John	Messrs. Yarrow & Co., Scotstoun, Glasgow.
1901.	McQueen, John Charles	St. Georges, Grenada, West Indies.
1903.	McReddie, Charles Edward Boyesen	(B. Mitre 476, Buenos Aires, Arg. Rep.
1906.	Madeley, Charles	Messrs. Taylor & Challen, 60-62 Constitution Hill, Birming- ham.
1879.	Maginnis, James Porter	11 Carteret St., Queen Anne's Gate, Westminster, S.W. [Offset, London. G.P.O. 192 Victoria.]
1900. 1902.	A.M. Main, John Palmer Scott	Assist. Inspecting Officer of Rlys., Board of Trade, Trafalgar Bldgs., 1 Charing Cross, S.W.
1873.	MAIR-RUMLEY, JOHN GEORGE (Life Member)	43 Palace Court, W. [Ipsum, London.]
1884.	Mais, Henry Coathupe {	34 Murphy St., South Yarra, Melbourne, Victoria.
1906.	Major, Charles George <	Messrs. Archibald Smith & Stevens, Janus Works, Queen's Rd., Battersea, S.W.
1883.	G. MALAN, ERNEST DE MÉRINDOL	Soc. Anonyme Westinghouse, Eta- blissements de Freinville, Sévran,
1893.	M.)	S. & O., France.
1879.	Malcolm, Bowman	Loco. Eng., Belfast and Northern Counties Rly., Belfast.
1905. 1907.	A.M. MALCOLM, GEORGE WILLIAM	Chief Eng., Salt Union, Ltd., Winsford, S.O., Cheshire.
1896. 1898.	A.M. MALLOCH, WILLIAM FARQUHAR	Town Office, Uitenhage, Cape Colony.
1891.	Manisty, Edward	Dundalk Iron Works, Dundalk, Ireland; and 24A Bryanston Square, W.

Date	e of	Election	
and	of '	Transfer.	

1888. Mano, Professor Bunji	Imperial University, Tokyo, Japan.
1894. G. 1896. A.M. 1909. M. MANSFIELD, ALFRED	Heathfield House, Whitby Heath, Chester.
1894. A.M. Mansfield, Edwin Albert	59 Green Bank Rd., Devonshire Park, Birkenhead.
1891. Manson, James	Loco. Supt., Glasgow & S.W. Rly., Kilmarnock.
1897. MANTLE, HARRY GEORGE	105 Haverstock Hill, N.W.
1893. A.M.) Manton, Arthur Woodroffe, 1899. M.) B.Sc	Messrs. S. Pearson & Son, In- corporated East River Tunnels, Long Island City, N.Y., U.S. (Messrs. John Wilkes, Sons &
1897. Mapplebeck, Edward	Mapplebeck, Liverpool St., Birmingham. [Wilkes, Birmingham.]
1878. Marié, Georges	4 Rue du Général Foy, Paris (8º).
1900. {MARKHAM, REGINALD GASCOIGNE LAW, R.N	Brooklyn, 50 Ritherdon Rd., Balham, S.W.
1891. {Marks, Edward Charles Robert	13 Temple St., Birmingham.
1888. $ \begin{cases} \text{Marks, George Croydon,} \\ \text{M.P.} & \dots & \dots & \dots \end{cases} $	[Marklerk, London. 3415 Central.]
1896. Markwick, Alfred Ernest	Supt. of Machinery, Karachi Municipality, Lawrence Rd., Karachi, India.
1884. MARQUAND, AUGUSTUS JOHN	2 Dock Chbrs., Bute Docks, Cardiff. [Martial, Cardiff.]
1887. MARRIOTT, WILLIAM	Eng. and Loco. Supt., Mid. & G.N. Joint Rlys., Melton Constable, Norfolk.
1903. A.M.) MARSH, CHARLES FLEMING	Metropolitan Water Board, Savoy Court, Strand, W.C.
1896. Marsh, Douglas Earle	(Loco, and Carr. Supt., L.B. & S.C. Rly., Brighton.
1900. MARSHALL, ALFRED WILLIAM	{28 New Bridge St., Ludgate Circus, E.C. [332 Central.]
1890. Marshall, Frank Herbert	Messrs. Wilsons, Pease & Co., Tees Iron Works, Middlesbrough.
1897. Marshall, Herbert John	Britannia Iron Works, Gains- borough. [Marshalls, Gains- borough. 10.]
1901. {Marshall, Hermann Dickenson	Britannia Iron Works, Gainsborough.
1871. Marshall, James	Britannia IronWrks., Gainsborough. [Marshalls, Gainsborough. 10.]
1899. A.M. MARSHALL, LAUNCELOT PAUL	Chief Eng., Municipal Offices, Rangoon, Burma.
1896. A. MARSHALL, LEWIS	The Laurels, Greenroyd, Halifax.
1902. Marshall, Robert	Elmwood, Elers Rd., Ealing, W.
1877. MARSHALL, WILLIAM BAYLEY	Imperial Hotel, Malvern.
1859. MARTEN, EDWARD BINDON	Pedmore, Stourbridge. [Marten, Stourbridge. 8504.]
1904. A.M. 1909. M. MARTIN, PERCY	Works Manager, Daimler Motor Co., Coventry.

and of I	interest.	
		(Engineering Mangr., Scheldt Royal
1886.	MARTIN, WILLIAM HAMILTON	Shipbuilding and Engineering
	G. M. Down	Works, Flushing, Holland.
1882.	G.) MARTINDALE, WARINE BEN	(83 Cannon St., E.C.; and Haistwell House, Sunningdale, Ascot.
1889.	M.   HAY	(64 Victoria St., Westminster,
1909.	Martineau, Francis Leigh	S.W.
1884.	Massey, George	Post Office Chambers, Pitt St., Sydney, N.S.W.
1903.	MASSEY, HAROLD FLETCHER	Messrs. B. and S. Massey, Open- shaw, Manchester.
1895. 1903.	A.M. Massey, Leonard Fletcher M.	Messrs. B. and S. Massey, Open- shaw, Manchester. [Masseys, Openshaw. 300.]
1892.	MASTERTON, JOHN FRASER	Loco. Dept., S.E. & C. Rly., Ashford, Kent.
1903.	MASTERTON, WALTER NEILL	Govt. Marine Surveyors' Office, Singapore, Straits Settlements.
1899.	Mastrantonis, Panayotis	Engine and Boiler Works, Piraeus, Greece.
1894.	MATHER, GEORGE RADFORD	[Mather, Wellingborough.]
1867.	MATHER, The Right Hon. Sir WILLIAM	Salford Iron Works, Manchester; and Bramble Hill, Bramshaw, New Forest, Hants.
1900.	Mathews, Charles James	Chief Inspector of Machinery, Perth, W. Australia.
1902.	Mathot, Rodolphe	14 Rue de la Braie, Brussels, Belgium.
1907.	Matthews, Joseph	Raven Meols Lane, Formby, Liver- pool.
1886.	MATTHEWS, ROBERT (Member of Council)	Parrs House, Heaton Mersey, Manchester.
1893.	Maunsell, Richard Edward Lloyd	Assist. Loco. Eng., G.S. & W. Rly., Inchicore Works, near Dublin.
1873.	(MAW, WILLIAM HENRY, LL.D. (Past-President)	(35 Bedford St., Strand, W.C. [Gerrard 3663.]
1884.	MAXIM, SIR HIRAM STEVENS	Ryecotes, Dulwich Common, S.E.
1905.	MAXWELL, DAVID WILLIAM FRANCIS	77 Lawrie Park Road, Sydenham, S.E.
1903.	May, Charles Ramsden	Orwell Lodge, Erith, S.O., Kent. (Pulsometer Engineering Co., Broad
1908.	May, Walter, R.N	Sanctuary Chbrs., 20 Tothill St., Westminster, S.W.
1901.	G.)	
	A.M. MAYO, CHARLES ROBERT	(c/o C. H. Fox, Alderman's House, Bishopsgate, E.C.
1908.	,	, , ,
1891.	MEADE, THOMAS DE COURCY	Town Hall, Manchester.
1899.	MEADEN, NICHOLAS, R.N	Danbury, Alexandra Rd., Reading. (Stanley House, Barras Lane,
1905.	Меек, Јони	Coventry. [Former Member 1898–1901.]
1881.	Meik, Charles Scott	16 Victoria St., Westminster, S.W. (Eng. of the Kent District, Metro-
1887.	MELHUISH, FREDERICK	politan Water Board, Brookmill
		Rd., Deptford, S.E.

Date	of	Election
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and of Transfer	•	
1903.	MELL, LEONARD PARRY	Eversfield, Leamington Spa.
1906.	MELLANBY, Professor ALEX-	The Technical College, Glasgow.
	( ANDER HAWSON, D.Sc)	(Messrs. E. Green & Son, Hastings
1888.	MELVILLE, WILLIAM WILKIE	House, Norfolk St., Strand, W.C.
1900.	Mendham, Conrad Field	[85 Gracechurch St., E.C. [Pyrotic, London. 9471 Central.]
1878.	MENIER, HENRI	56 Rue de Châteaudun, Paris. (Messrs. Robert Maclaren & Co.,
1906.	Menzies, John	Eglinton Foundry, Port Eglinton, Glasgow.
1897.	Meredith, John	Frodingham House, Frodingham, Doncaster.
1896.	{Merrifield, Leonard Lan-}	269 Front St. East, Toronto, Canada.
1875.	MERRYWEATHER, JAMES COMP-	Fire-Engine Works, Greenwich Rd., S.E.; and 4 Whitehall Court, S.W. [Merryweather, London.]
1908.	METCALFE, ARTHUR WHARTON, B.Sc	The Hall, Cheddar, Somerset.
1906.	METCALFE, JAMES	Messrs. Davies and Metcalfe, Romiley, Manchester.
1881.	MEYSEY-THOMPSON, ARTHUR	(Messrs. Hathorn Davey & Co., Sun
	MICHELL, Eng. Lieut. WILLIAM	Foundry, Dewsbury Rd., Leeds. H.M.S. "Natal," c/o Postmaster
	HENRY, R.N. (Life Member)	General, E.C.
1898.	MICKLEWRIGHT, WILLIAM	Messrs. James Russell & Sons, Wednesbury; and Hughenden, Hollies Drive, Wednesbury.
1899. A.M.) 1905. M.)	MIDDLETON, HARRY HERBERT	Box 1049, Mech. Branch, Municipal Council, Johannesburg, Transvaal.
1884.	Middleton, Reginald Empson	[Appoint, London. Westminster 75.]
1891.	MIDDLETON, ROBERT	Sheepscar Foundry, Leeds.
1891.	MIDDLETON, ROBERT THOMAS	Late Assist. Eng., B.B. & C.I. Rly., Bombay; 26 Selborne Rd., Ilford.
1910.	MILBURN, JOHN	Works Manager, Messrs. Alfred
1893.	MILLAR, JACKSON	Herbert, Coventry. 11 Bothwell St., Glasgow.
1902.	MILLAR, THOMAS	81 St. Vincent St., Glasgow.
1904.	MILLER, DAVID	Supt. Eng., Spanish Royal Mail Co., 19 Princes St., Bootle, Liverpool.
1885.	MILLER, HARRY WILLIAM	Messrs. Harvey & Co., P.O. Box 953, Johannesburg, Transvaal.
1886.	Miller, John Smith	Messrs. Smith Brothers & Co., Hyson Green Works, Notting- ham.
1887.	MILLER, THOMAS LODWICK	9 & 10 Tower Bldgs., Water St., Liverpool. [Kinetic, Liverpool. 6216.]
1900. G. 1903. A.M. 1908. M.	MILLER, WILLIAM THOMAS WARD	6 Oakdale Rd., Nether Edge, Sheffield.
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Date of Election		-
and of Transfer.		
1893.	MILLIGAN, WILLIAM SCOTT	Messrs. Pollit and Wigzell, Bank Foundry, Sowerby Bridge.
1885.	MILLIS, CHARLES THOMAS	Principal, Educational Dept., Borough Rd. Polytechnic, S.E.
1901. A.M.) 1904. M.)	MILLS, FRANK	F.M.S. Rly., Kuala Lumpur, Selangor, Malay Peninsula.
1905.	MILLS, FREDERICK	Genl. Manager, Ebbw Vale, R.S.O., Mon.
1898.	MILLS, GEORGE PILKINGTON	Everdene, Putney Common, S.W. (Atlas Works, Bonner's Field, Sun-
1897.	MILLS, WILLIAM	derland [Engineer, Sunderland. 552.]; and Northwood, Roker, Sunderland.
1887.	MILNE, WILLIAM	Castle Bldgs., West St., Durban, Natal [Metallic, Durban.]; and Furnheim, Rosetta Rd., Durban, Natal.
1898. A.M.) 1902. M.	Mindo, Arnold Waldeman	52 Serpentine Road, Egremont, Cheshire.
1898.	MITCHELL, GEORGE	Manager, Vacuum Brake Co., 32 Queen Victoria St., E.C. [Solu- tion, London. Bank 5534.]
1907.	MITCHELL, ROBERT	Manager, Sugar Machinery Mfg. Co., 76 Elsham Rd., W.
1892.	MITCHESON, GEORGE ARTHUR	Hem Heath, Trentham, Stoke-on-
1899.	MITTON, EDWARD Moss	Smithfield Works, Sherlock St., Birmingham. [Method, Birming- ham.]
1897.	(MIYABARA, Eng. Vice-Admiral) Baron Jiro, I.J.N	Near Omori Station, Tokyo, Japan.
1907. 1906.	MIZUTANI, YOSHIHIKO MOBERLY, JAMES EDWARD	Kure Kosho, Kure, Japan. Craig Lea, Uplands Rd., Darlington.
1896.	MOFFATT, ALEXANDER CHARLES	Oakland House, 27 E. Dulwich Road, S.E.
1903. A.M.) 1906. M.)	Moffet, James Scott Dun-	Genl. Manager, Corpn. Tramways, Mellor St., Rochdale.
	Molesworth, Sir Guilford Lindsay, K.C.I.E.	14 Howick Place, Victoria St., Westminster, S.W.
1905.	MOLESWORTH, WALTER HEN- DERSON	14 Howick Place, Victoria St., Westminster, S.W.
1907.	MOLINEUX, CYRIL ROLAND NEWMARCH	Govt. Harbour, Calabar, Southern Nigeria.
1881.	Molinos, Léon	60 Rue de la Victoire, Paris.
1907.	Molloy, Charles Patrick	Dist. Loco. Supt., S. Mahratta Rly., Hubli, India.
1905.	Money-Kent, Julian Money Vernon	25 Old Queen St., Westminster, S.W. [1156 Victoria.]
1897.	Monkhouse, Edward Wynd-	14 Old Queen St., Westminster, S.W. [Instructed, London. 771 Westminster.]
1902.	Monks, Frederick William	Managing Director, Messrs. Monks, Hall & Co., Warrington.
1884.	Monroe, Robert	Genl. Manager, Barry Graving Dock & Engineering Co., Barry Dock, near Cardiff.
1894. G.) 1898. M.)	Moon, Edgar Rupert	Cloudesleigh, Brixton, Plymouth.

	[.] Moon, walling discidle	(Messrs. C. & E. Morton, West Ferry Rd., Millwall, E.; and 14 Toronto Rd., Hford.
1900. A.M 1907. M	Moore, George Edward	12 Herrick Rd., Loughborough.
1901.	Moore, James	Messrs. Ralli Bros., Karachi, India.
1895. A.M 1901. M		1 Cromwell Rd., Belfast.
1901.	Moore, Eng. Lieut. Walter Launcelot, R.N	(H.M.S. "Blake," c/o Postmaster General, E.C.
1910.	MORCOM, REGINALD KEBLE	Messrs. Belliss & Morcom, Ledsam St., Birmingham.
1880.	Moreland, Richard	[80 Goswell Rd., E.C. [Expansion, London.]
1900.	MORGAN, CHARLES HILL	21 Lincoln St., Worcester, Mass., U.S.
1911.	Morgan, Lewis Henry	Whitewell, Nantwich. (Messrs. T. Richardson & Sons,
1887.	Morison, Donald Barns	Hartlepool Engine Works, Hartlepool.
1907.	MORLEY, Professor ARTHUR	University College, Nottingham. (Messrs. Cole, Marchent & Morley,
1896.	Morley, Herbert William	Prospect Foundry, Bradford. [Cole, Bradford. 690.]
1888.	Morris, Charles	(c/o Messrs. Jessop & Co., 156 Lead- enhall St., E.C.
1874.	MORRIS, EDMUND LEGH	18 Chesham Place, Brighton.
1890.	Morris, Francis Sanders	4 Trafalgar Square, W.C.
1898.	Morris, John	Royal Technical Institute, Salford, Manchester.
1890.	{Morris, John Alfred (Life Member)	Empire Engineering Co., Empire Works, Clarendon Rd., Salford, Manchester.
1901. A.M 1905. M		Metrop. Water Board, New River Works, Finsbury Park, N.
1904. A.M 1908. M		4 Minto Park, Bhowanipore Rd., Calcutta.
1908.	Morrison, Frederick Thomas	Education Dept., Grahamstown, Cape Colony.
1903.	Morrison, Ralph Percy	Allerton, Old Avenue, Weybridge. (Genl. Manager, Messrs. Morrison
1906.	Morrison, William Lazonby	& Co., Fundicion Nacional, Valparaiso, Chile.
1907.	MORTIMER, Eng. Commander JOHN ERNEST, R.N	(312 Mansion House Chbrs., 11 Queen Victoria St., E.C.
1902.	MORTIMORE, WILLIAM	Hawthorn Villa, Stamford Rd., Altrincham. (Norwich Union Chbrs., Congreve
1910.	Morton, Andrew Home	Street, Birmingham. [Counsel, B'ham. 6936 Central.]
1892.	MORTON, DAVID HOME	[130 Bath St., Glasgow. [Counsel, Glasgow. 4874.]
1905.	MORTON, THOMAS MORTON	Errol Works, Errol, R.S.O., Perth-
1904.	MOTION, ROBERT	\ shire. Gowanbrae, Lenzie, Glasgow.
2001	Indian, Hobert	(Close Works, Newcastle-on-Tyne
1886.	Mountain, William Charles	[Esco, Newcastle-on-Tyne. 1259.]; and 8 Sydenham Terrace, New- castle-on-Tyne.

Date of Election and of Transfer.		
1902. A.M.) 1905. M.)	Mowat, Magnus	Port of London Authority, India and Millwall Docks, E.
1901.	Mowat, Thomas	Works Manager, Messrs. Harpers Ltd., Aberdeen.
1909.	Mower, Charles Hudson	Chief Eng., Sturtevant Engineering Co., 147 Queen Victoria St., E.C.
1884.	(Mower, George A. (Life Member)	Sturtevant Engineering Co., 147 Queen Victoria St., E.C. [Crosby, London. Bank 509.]
1893. A.M.) 1901. M.)	MOYLAN, WILLIAM MORGAN	c/o Messrs. Grindlay & Co., Calcutta.
1902.	MUCKLEY, WILLIAM HENRY	Supt. of Works, Corpn. Tramways, Lambeth Road Works, Liverpool.
1907.	MUELLER, OTTO HILDEBERT	Worthington Pump Co., 153 Queen Victoria St., E.C.
1876.	Muirhead, Richard	66 Parrock St., Gravesend.
1890.	MUMFORD, CHARLES EDWARD	Cross Roads House, Bouverie Rd., Folkestone.
1897.	Munro, Edward May	Messrs. Brecknell, Munro & Rogers, Finsbury Pavement House, E.C.
1910.	Munro, Hugh	Works Manager, Messrs. Glenfield & Kennedy, Kilmarnock.
1890.	Munbo, Professor John	Merchant Venturers' Technical College, Unity Street, Bristol.
1890.	Munro, Robert Douglas	Regent Chbrs., 121 West Regent St., Glasgow. [Wattage, Glasgow. 1967 Argyle.]
1910.	MUNTZ, Sir GERARD ALBERT, Bart	Managing Director, Muntz's Metal Co., French Walls Works, Bir- mingham.
1890.	MURBAY, KENNETH SUTHER-	British Oxygen Works, Elverton St., Westminster, S.W. [111 Westminster.]
1894.	MURRAY, THOMAS ROBERTS	Managing Director, Messrs. Spencer & Co., Melksham.
1902.	MUSGRAVE, FRANK EVERARD	Globe Iron Works, Bolton. [Mus-grave, Bolton.]
1899.	MUSGRAVE, JOHN RICHARD	Crown Point Foundry, East St., Leeds. [1226.]
1882.	MUSGRAVE, WALTER MARTIN	Globe Iron Works, Bolton. [Musgrave, Bolton.]
1897.	Musker, Arthur	Trafalgar Bldgs., 1 Northumberland Avenue, W.C.
1897.	MUSKER, CHARLES	Messrs. C. & A. Musker, Liverpool. [Fulgor, Liverpool. Anfield 215.]
1901.	MUTTER, WILLIAM	(Supt. Eng., Messrs. Bulloch Brothers & Co., Poozoondoung Foundry, Rangoon, British Burma.
1901.	Myers, Henry Sutcliffe	Messrs. Myers Brothers, Star Works, Wortley, Leeds.

1906.	Napier, John Stewart	{	The Moat House Sowe, Coventry.	
1899.	NASBEY, GEORGE WILLIAM	į	9 Bath Rd., Banb	

1888.	Nathan, Adolphus	Messrs. Larini Nathan & Co., Milan; and 15 Via Bigli, Milan, Italy.
1896. A.) 1899. M.)	NAYLOR, SAM	Messrs. Lumby, Son & Wood, West Grove Works, Greetland, Halifax. [Lumby, Halifax, 5 A.]
1898.	Naylor, Tom Hyde	Otto-Hilgenstock Coke-Oven Co., Crigglestone, Wakefield; and Laurel Mount, Newton Park, Leeds.
1903. A.M.) 1908. M.) 1899. A.M.)	NEACHELL, EDWARD JOHN	Liverpool Overhead Rly. Co., 31 James St., Liverpool.
1909. M.		4 Mortimer Rd., West Ealing, W.
1883.	NEATE, PERCY JOHN	1 Holly Mount, Hampstead Heath, N.W.
1889.	Needham, Joseph Edward	Patent Office, 25 Southampton Bldgs., W.C.
1902.	NEIL, ALEXANDER	Hope House, 82 Eccles Old Rd., Manchester.
1900. A.M.) 1910. M.)	NEILSON, ROBERT MORRISON	Atlantic Chbrs., 45 Hope St., Glasgow. [Momentum, Glasgow. P.O. Central 4755.]
1906.	Nelson, George	Messrs. Jas. J. Niven & Co., 3 Salter's Hall Court, E.C.
1895. A.M. 1898. M.	NESBIT, DAVID MEIN	12 Great James St., Bedford Row, W.C. [Plenum, London. Hol- born 587.]; and Victoria Foun- dry, Leicester.
1903.	NESBITT, ALEXANDER WALTER	Paulatim, Bearsden, Glasgow.
1909.	NESS, GEORGE	Chief Eng., Scottish Boiler Insurance Co., 111 Union St., Glasgow.
1904.	Newall, James Maurice	American Line, 27 James St., Liverpool.
1896. A.M.) 1904. M.)	Newell, Ernest	Messrs. Ernest Newell & Co., Misterton, Gainsborough. [Woods, Misterton.]
1897. A.M.) 1901. M.)	NEWMAN, REGINALD WILLIAM	Irrigation Dept., P.O. Box 40, Grahamstown, Cape Colony.
1902.	NEWMAN, WILLIAM EDWIN	Works, Manager, Mid. & G.N. Joint Rly., Melton Constable, Norfolk.
1897.	Newton, Thomas George	Monte Rosa, Cumberland Park, Acton, W.
1905.	Niblock, Frederick	Supt. Eng., Tanjong Pagar Dock Board, Singapore, Straits Settle- ments.
1911.	NICE, PEARCE SAVELL	sc/o Señor Goldrick, Casilla 79, Valparaiso, Chile.
1884.	NICHOLLS, JAMES MAYNE	Genl. Manager, Nitrate Railways Co., Iquique, Chile.
1884.	NICHOLSON, HENRY	(39 Mayfield Rd., Alexandra Park, Manchester.
1907.	NICHOLSON, HENRY PERCY	32 Botanic Avenue, Belfast.
1907.	NICHOLSON, Eng. Lieut. JAMES BELL, R.N	(H.M.S. "Leviathan," c/o Post- master General, E.C.
1894.	NICHOLSON, JOHN RUMNEY	Tanjong Pagar Dock Board, Singapore, Straits Settlements.
1899.	NICOL, ROBERT GORDON	Harbour Engineer, Aberdeen.

Date	of	Election
and o	f 7	Transfer.

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1909.	NICOLL, HARRY HOME	Supt. Eng., Amazon Steam Navigation Co., Pará, North Brazil.
1909.	NISBET, JOHN WYLIE	Messrs. John Aird & Sons, 59 Belvedere Rd., Lambeth, S.E.
1902.	Noakes, Thomas Elias	4 and 5 Osborn Place, Brick Lane, Whitechapel, E.
1886.	Noakes, Thomas Joseph	66 Onslow Gardens, Muswell Hill, N.
1884.	Noakes, Walter Maplesden	Mutual Life Bldgs., Martin Place, Sydney, N.S.W.
1909.	NOLET, PAUL	512 Calle Sinpacha, Buenos Aires, Arg. Rep.
1904.	Norman, James	{247A Cavendish Road, Balham, S.W.
1909.	NORRIS, ALBERT EDWARD FREETH	Maison Nachatey Bey No. 3, Shoubra, Cairo, Egypt.
1892.	Norris, William	Peter Pilkington Ltd., Dowry Iron Works, Bamber Bridge, Preston.
1868.	Norris, William Gregory	Coalbrookdale Iron Works, Coalbrookdale, Shropshire.
1900.	NORTHEY, PERCY WILBRAHAM	Rolls-Royce, Ltd., 14 & 15 Conduit St., W.
1905.	NUGENT, Major CHARLES HUGH HODGES, R.E	5 Alexandra Road, Ghorpuri, Poona, India.
1898.	NUTT, GEORGE BEAUMONT	European Commission of the Danube, Sulina, Roumania.
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1885.	OAKES, Sir REGINALD LOUIS,	Genl. Manager, Cairo Electric Rlys. and Heliopolis Oases Co., Cairo,
1885. 1887.	OAKES, Sir REGINALD LOUIS, Bart	and Heliopolis Oases Co., Cairo, Egypt.
	{ Bart	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. 66 Bank St., Manchester. [Owden,
1887.	( Bart	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] [Palace Chbrs., 9 Bridge St., West-
1887.	( Bart	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. 6 Bank St., Manchester. [Owden, Manchester.]
1887. 1887.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.]
1887. 1887.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. (6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C.
1887. 1887.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office,
1887. 1887. 1888. 1889. 1909.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. (6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. 21 Embankment Gardens, Chelsea,
1887. 1887. 1888. 1889.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. (6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. 21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston,
1887. 1887. 1888. 1889. 1909. 1903. A.M 1906. M	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. (6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. 21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston, Nantwich. Messrs. Stanislaw, Patschke & Co.,
1887. 1887. 1888. 1889. 1909. 1903. A.M 1906. M	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. [21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston, Nantwich. Messrs. Stanislaw, Patschke & Co., 63 Zelazna St., Warsaw, Russian Poland.
1887. 1887. 1888. 1889. 1909. 1903. A.M 1906. M	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. (6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. (21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston, Nantwich. Messrs. Stanislaw, Patschke & Co., 63 Zelazna St., Warsaw, Russian Poland. Messrs. Alexander Oldham & Sons, Dukinfield. [Weldless, Dukin-
1887. 1887. 1888. 1889. 1909. 1903. A.M 1906. M 1893.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. [21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston, Nantwich. Messrs. Stanislaw, Patschke & Co., 63 Zelazna St., Warsaw, Russian Poland. [Messrs. Alexander Oldham & Sons,
1887. 1887. 1888. 1889. 1909. 1903. A.M 1906. M 1893.	O'BRIEN, BENJAMIN THOMPSON O'BRIEN, JOHN OWDEN	and Heliopolis Oases Co., Cairo, Egypt. 30 Slater St., Liverpool. [6 Bank St., Manchester. [Owden, Manchester.] Palace Chbrs., 9 Bridge St., Westminster, S.W.; and Walton Lodge, Banstead, Surrey. [O'Donnell, London. Gerrard 3118.] Patent Office, 25 Southampton Bldgs., W.C. Mech. Supt., Mersey Docks and Harbour Board, Dock Office, Liverpool. 21 Embankment Gardens, Chelsea, S.W. Admaston Cottage, Wistaston, Nantwich. Messrs. Stanislaw, Patschke & Co., 63 Zelazna St., Warsaw, Russian Poland. Messrs. Alexander Oldham & Sons, Dukinfield. [Weldless, Dukinfield. Hyde 8.]

	(ODAM For Wise Admirel Si	
1910.	ORAM, Eng. Vice-Admiral Si HENRY JOHN, K.C.B. (Mem ber of Council)	
1899.	ORCUTT, HARRY FRED LEE	Hartford, Sutton-on-Sea, Lines.
1902.	ORDE, EDWIN LANCELOT	Sir W. G. Armstrong, Whitworth & Co., Walker Shipyard, New-castle-on-Tyne.
1885.	ORMEROD, RICHARD OLIVER	Moorend Park Lawn, Cheltenham.
1899.	ORMSBY, ALFRED STEWART AUGUSTUS	Patent Office, Staple Inn, Holborn, W.C.
1902.	ORMSBY, EDWARD STUART	1020 Eveleigh St., Vancouver, British Columbia.
1897.	ORR, CHARLES ROGER	dry, Monifieth, Dundee.
1902. A.M.) 1905. M.)	ORR, Professor John	Transvaal University College, P.O. Box 1176, Johannesburg, Transvaal.
1907.	ORRELL, JOHN TURTON	Warrington House, Fairfield, Man- chester.
1909.	ORTEN-BÖVING, JENS	91 Union Court, Old Broad St., E.C.
1899.	Osborne, Thomas Peter	Assist. Carr. and Wagon Supt., Midland Rly., Derby; and The Poplars, Spondon, Derby.
		(Broadway House, 2 Broadway
1867.	OUGHTERSON, GEORGE BLAKE	Westmingtor S.W. and Manor
1906.	Owen, Thomas	19 Rufford Road, Elm Park, Liverpool.
1897.	Owens, Philip Robert	1Pendennis Rd., Seacombe, Birken- head.
1903.	Oxlade, Henry John Wilson	St. Stephen's House, Westminster, S.W. [881 Gerrard.]
1908.	PACK, ALBERT EDWARD	P.O. Box 8, Premier Mine, Transvaal.
1901. A.M.) 1905. M.)	Page, James Handford	32 African House, 6 Water St., Liverpool. [Indicator, Liverpool.
1905. M.)		General Supt's. Office, Midland
1905.	PAGET, CECIL WALTER	Rly., Derby.
1910.	Pain, Albert Charles	Messrs. Belliss and Morcom, Led- sam St., Birmingham.
1909.	PARDOE, HARRY	Brunswick House, Malvern Rd., Acocks Green, Birmingham.
1897. A.M.) 1900. M.)	PARISH, CHARLES EDWARD	31 Hanger Lane, Ealing, W.
1898.	Park, Charles Archibald	Elmhurst, Carew Rd., Eastbourne. (Managing Director, Messrs. Ash-
1911.	PARK, GEORGE MOLYNEUX	ton, Frost & Co., Bank Top Foundry, Blackburn; and Ro- den, Blackburn.
1905.	Parker, John Henry	1 Cliff Gardens, Frodingham, Don- caster.
1906.	PARKER, JOSEPH EDMUNDSON	Port Alfred, Grahamstown, Cape Colony.
		( COLORY.

1891.	PARKER, THOMAS, F.R.S.E	Severn House, Iron-Bridge, S.O., Salop.
1902. A.M.) 1907. M.	PARKINSON, CHARLES FRED-	Res. Eng., Corpn. Electricity Works, Blackhall, Paisley.
1895. A.M.	PARKINSON, HUDSON CLOUGH	Engineer's Office, Cumberland
1895. M. J	PARLANE, WILLIAM	Basin, Bristol Docks, Bristol. Raleton Avenue, Crookston, Paisley.
1899.	PARBACK, WILLIAM THOMAS	Rochester Bldgs., 138 Leadenhall
1892.	PARRATT, WILLIAM HEATHER	St., E.C. Creek House, Canje, Berbice, British Guiana.
1892.	PARROTT, THOMAS HENRY	Fairlight, Westfield Rd., Edgbas-
		ton, Birmingham. (Staveley, Sandheys, Waterloo,
1886.	PARRY, ALFRED	Liverpool. [Revolving, Liverpool. 770 Waterloo.]
		(Salvage Assocn., Lake Dept., 321
1900.	PARRY-JONES, RICHARD	Perry-Payne Bldg., Cleveland, Ohio, U.S.
1878.	PARSONS, The Hon. RICHARD	[39 Victoria St., Westminster, S.W. [Outfall, London.]; and 48
	CLERE	Prince's Gardens, S.W.
1904.	PARTRIDGE, HENRY RALPH CHAMPION	6 Church Row, Putney Bridge, Fulham, S.W.
		Suffolk House, 5 Laurence Pount-
1886.	Passmore, Frank Bailey	ney Hill, E.C. [Knarf, London.]
	PATCHELL, WILLIAM HENRY	Caxton House, Tothill St., West-
1896	(Member of Council)	minster, S.W. [Patchell, London. 898 Westminster.]
1903. A.M.) 1908. M.)	Paterson, Sydney	Wyncroft, Bickley, Kent.
1880. G.)	PATERSON, WALTER SAUNDERS	27 St. Stephen's Rd., Ealing, W.
1884. M.	,	(Managing Director, Paterson En-
1910.	PATERSON, WILLIAM	gineering Co., 12 Norfolk Street, Strand, W.C.
1902. A.M.) 1908. M.)	PATEY, ARTHUR PETTMAN	H. M. Office of Works, Storey's
1900. 111.)		Gate, Westminster, S.W. (Messrs. Manlove Alliott & Co.,
1877.	PATON, JOHN McCLURE CALD-	Bloomsgrove Works, Ilkeston
	( WELL	Rd., Nottingham. [Manloves, Nottingham.]
1881.	Patterson, Anthony	Dowlais Iron Works, Cardiff; and 9 Glossop Terrace, Cardiff.
1904.	Pattinson, Joseph	Chief Eng., Alexandra Dock and
1891.	PAUL, MATTHEW	Rly. Co., Newport, Mon. Levenford Works, Dumbarton.
1872.	PAXMAN, JAMES NOAH	[Standard Iron Works, Colchester.]
1900. A.M.) 1903. M.)	PAYNE, Professor HENRY	The University, Melbourne, Victoria.
1880.	PEACHE, JAMES COURTHOPE	Messrs. Willans & Robinson, Victoria Works, Rugby.
1890.	(PEACOCK, JAMES ALBERT	(Egyptian Delta Land and Invest-
	WELLS	ment Co., Cairo, Egypt. (Gorton Foundry, Manchester; and
1869.	PEACOCK, RALPH	Avon Castle, Ringwood.
		F

Date of Election and of Transfer,	
1899. A.M. PEARCE, STANDEN LEONARD	Corpn. Electric Light Stn., Dickin- son St., Manchester.
1897. Pearce, Thomas	Managing Director, Messrs. Johns & Waygood, Sturt St., S. Melbourne, Victoria.
1884. Pearson, Frank Henry	(3 Whitefriargate, Hull. [Pears, Hull. 221X.]
1906. Pearson, James	15 Hornby Row, Fort, Bombay.
1904. A.M. Pearson, Thomas William	Loco. Supt. and Works Manager, Alexandra (Newport and S. Wales) Docks and Rly., New- port, Mon.
1901. PEART, JOHN	4 Abbey Terrace, Gateshead.
1903. PECKETT, THOMAS	Atlas Locomotive Works, Bristol. [Peckett, Bristol. 7306.]
1898. A.M. PEDLEY, HEBER ISAAC	Messrs. Rudge-Whitworth, Rea St. South, Birmingham.
1888. PEEL, CHARLES EDMUND	Swansea.
1899. PEET, JAMES	8 Stafford Street, Derby. (Loco. Dept., Midland Rly., Bris-
1898. PEET, WILLIAM GADSBY	tol; and 57 Salisbury Rd., Redland, Bristol.
1903. Pendlebury, Charles	149 Church Lane, Handsworth Wood, Birmingham.
1896. A.M.) Pendred, Loughnan St. Law- 1907. M.) RENCE	33 Norfolk St., Strand, W.C.
1900. PENDRED, VAUGHAN	Crohill, Pendennis Rd., Streatham, S.W.
1873. PENN, WILLIAM	The Cedars, Lee, S.E.
1895. A.M.) PENN, WILLIAM COOPER	(25 Victoria St., Westminster, S.W. [Penniform, London. 182 Victoria.]
1905. A.M.) PERRY, THOMAS WILLIAM 1910. M.) WESTON	Acting Eng., Public Works Dept., Cape Town, Cape Colony.
1904. {Perry, William Frederick Suckling	Suptg. Eng., Bombay Burma Trading Corpn., Rangoon, British Burma.
1894. A.) 1900. A.M.) PETERS, LINDSLEY BYRON	(Moorgate Works, Moorfields, E.C.
1905. M.)	[Peters, London.]
1906. Petiz, Jorge Augusto	Estrada de Ferro Central do Brazil, Rio de Janeiro, Brazil.
1900. A.M. PETTER, ERNEST WILLOUGHBY	73 Queen Victoria St., E.C. [Escapable, London. 8130 Bank.]
1898. PETTIGREW, WILLIAM FRANK	Loco. Supt., Furness Rly., Barrow- in-Furness.
1893. PHILIP, WILLIAM LITTLEJOHN	Sherbrooke, Box, Wilts. (Emlyn Engineering Works, New-
1885. PHILLIPS, CHARLES DAVID	port, Mon. [Machinery, Newport, Mon.]
1885. {Phillips, Lionel (Life Member)	Messrs. Wernher, Beit & Co., 1 London Wall Bldgs., E.C.
1879. G.) PHILLIPS ROPEDT EDWARD	70 Chancery Lane, W.C. [Phicycle,
1884. M., PHILLIPS, WILLIAM	Loco. Dept., G.W. Rly., Bristol.
1900. A.M.) PICKERING, FRANK	Electric Light Dept., Cape Govt. Railways, Cape Town, Cape
	Colony.

1905. A.M. 1898. G. 1890. M. 1899. PIRIE, GEORGE (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Ltd., Knott Mill Iron Works, Manchester. (con. Manager, Messrs. Galloways, Ltd., Knott Mill Iron Works, Ltd., Knott Mill Iron Works, Manchester. (con. Messrs. Dickeson and Stewart, 94 Queen Victoria St., E.C. (Royal Laboratory, Royal Arsenal, Woolvich. Messrs. Wheatley Kirk, Price & Co., 46 Watling St., E.C. (Indices, London. Bank 5077.] 1899. PLATT, FRANCIS JAMES (Glos. (Gl	1894.	Pickering, Jonathan	(Baltic Chbrs., 50 Wellington St., Glasgow. [6180.]
1893. G. 1890. M. PILLING, HENRY 1899. M. PILLING, HENRY 1892. PINDER, CHARLES RALPH 1892. PIRIE, GEORGE		PIERCY. GEORGE FREDERICK	53 and 54 Broad St., Birmingham.
1897. A.M. 1899. M. 1892. PINDER, CHARLES RALPH 1892. PIRIE, GEORGE			(Sheepbridge Iron Works, Chester-
1899. PINDER, CHARLES RALPH  1892. PINDER, CHARLES RALPH  1892. PERIE, GEORGE  1893. PIRIE, The Right Hon. Lord, K.P., P.O., LL.D.  1883. PLATT, WALTER (Member of Council)  1899. PLATT, FRANCIS JAMES  1908. PLATT, FRED  1908. PLATT, ISAIAH  1909. PLATT, ISAIAH  1888. POGSON, JOSEPH  1889. POLLIT, BOWARD ERNEST  1894. POLLITT, EDWARD ERNEST  1894. POLLITT, HARRY  1895. POLLITT, HARRY  1896. POLLITT, HARRY  1897. POLLITT, HARRY  1898. POLLITT, HARRY  1899. POTTER, WILLIAM WALLER  1890. POTTER, WILLIAM WALLER  1890. POTTER, WILLIAM HENRY  1891. PRATCHIFT, JOHN  1895. PRATTEN, FREDERICK EDWARD  1896. PRATTEN, FREDERICK EDWARD  1896. PRATTEN, FREDERICK EDWARD  1897. PRATTEN, FREDERICK EDWARD  1898. PORTER, WILLIAM JOHN  1898. PRATTEN, FREDERICK EDWARD  1898. PRATTEN, WILLIAM JOHN  1899. PRATTEN, WILLIAM HENRY  1899. PRATTEN, WILLIAM JOHN  1899. PRATTEN, WILLIAM HENRY  1899. PRATTEN, WILLIAM JOHN  1899. PRATTEN, WILLIAM HENRY  1899. PRATTEN, WILLIAM HENRY  1899. PRATTEN, WILLIAM JOHN  1899. PRATTEN, WILLIAM HENRY  1899. PRATTEN CHARLES ALFRED  1899. PRATTEN FREDERICK EDWARD  1899. PRATTEN FR		PILKINGTON, HERBERT	field.
1892. PIRIE, GEORGE		PILLING, HENRY	Ltd., Knott Mill Iron Works, Manchester.
Pirrie, George   Woolwich	1892.	PINDER, CHARLES RALPH	94 Queen Victoria St., E.C.
R.P., P.C., LL.D.   PITT. Walter (Member of Council)   Sath.   Stothert, Bath.   S	1892.	Pirie, George	
1883.  PITT, Walter (Member of Council)  1887.  PLACE, JOHN	1888.	K.P., P.C., LL.D.	
1897. PLACE, JOHN	1883.	PITT, WALTER (Member of	Bath.]
Glos.  PLATT, FRED (Sing's Hill Foundry, Wednesbury. 60.]  1903. PLATT, ISAIAH (Platt, Wednesbury. 60.]  1869. PLAYER, JOHN (Life Member)  1888. POGSON, JOSEPH 1 Whinneyfield, Halifax.  1894. POLAND, WILLIAM (Sa Vanbrugh Park, Blackheath, S.E.  1907. POLLARD, GEORGE (General Motor Cab Co., 1 & 3 Brixton Rd., S.W.  1893. POLLITT, HARRY 5 Bank Foundry, Sowerby Bridge. Fernlea, Altrincham.  1904. POLLOCK, WALTER (3 Lloyds Avenue, E.C. [Specific, London. 493 Central (3 lines).]  1898. POOLEY, HENRY (Cavresfield, Disley, Stockport. Hatfield, The Grove, Slough. (Messrs. William Tatham & Co., Vulcan Works, Rochdale. (Temple Bldgs., Albert St., Nottingham)  1878. POWEL, HENRY COKE (Temple Bldgs., Albert St., Nottingham)  1891. POWLES, HENRY HANDLEY PRIDHAM (Powles, Henry Handley PRIDHAM (Powles, Henry Handley PRIDHAM (Messrs. Furnival & Co., 32 St. Bride St., E.C. [Furnival, London.] Denton Iron Works, Carlisle. (Norfolk House, Laurence Pountney Hill, E.C. (Messrs. Harland and Wolff, Belfast. (PREECE, Sir William Henry, 1895.) PRATTEN, WILLIAM HENRY (Mednesbury. 60.]  King's Hill Foundry, Wednesbury. [Platt, Wednesbury. 60.]  King's Hill Foundry, Wednesbury. [Platt, Wednesbury. 60.]  Thirlestaine Hall, Cheltenham. 1 Whinneyfield, Halifax. (Selection Halifax. Selection Halifax. (Selection Halifax. (Selection Halifax. 1896.) Thirlestaine Hall, Cheltenham. 1 Whinneyfield, Halifax. (Selection Halifax. (Sele	1887.	PLACE, JOHN	46 Watling St., E.C. [Indices, London. Bank 5077.]
[Platt. Wednesbury. 60.]  King's Hill Foundry, Wednesbury. [Platt. Wednesbury. 60.]  King's Hill Foundry, Wednesbury. 60.]  King's Hill Foundry, Wednesbury. 60.]  Thirlestaine Hall, Cheltenham. 1 Whinneyfield, Halifax. 88 Vanbrugh Park, Blackheath, S.E.  1907. Pollard, George	1899.	PLATT, FRANCIS JAMES	
Player, John (Life Member)   Thirlestaine Hall, Cheltenham. 1 Whinneyfield, Halifax.   Sa Vanbrugh Park, Blackheath, S.E.   Seneral Motor Cab Co., 1 & 3 Brixton Rd., S.W.   Bank Foundry, Sowerby Bridge.   Fernlea, Altrincham.   Salloyds Avenue, E.C. [Specific, London. 493 Central (3 lines).]   Cavresfield, Disley, Stockport.   Hatfield, The Grove, Slough.   Wessrs. William Tatham & Co., Vulcan Works, Rochdale.   Temple Bldgs., Albert St., Nottingham.   Powell, Henry Coke   Temple Bldgs., St. Mary St., Cardiff.   Powels, Henry Handley   Pridham   Powere, William Howard   Sank Bldgs., St. Mary St., Cardiff.   Pratchitt, John   Sensor Furnival & Co., 32 St. Bride St., E.C. [Furnival, London.]   Denton Iron Works, Carlisle.   Norfolk House, Laurence Pountney Hill, E.C.   Messrs. J. and E. Hall, Dartford.   Messrs. Harland and Wolff, Belfast.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Messrs. Harland and Wolff, Belfast.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Messrs. Harland and Wolff, Belfast.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Messrs. Harland and Wolff, Belfast.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Preference Pountney   Messrs. J. and E. Hall, Dartford.   Preference Pountney   Messrs. J. and E. Hall, Dartfo	1903.	PLATT, FRED	King's Hill Foundry, Wednesbury.  [Platt, Wednesbury. 60.]
1869. PLAYER, JOHN (Life Member) 1888. POGSON, JOSEPH	1903.	PLATT, ISAIAH	Flatt. Wednesbury. 60.]
1894. POLAND, WILLIAM			Thirlestaine Hall, Cheltenham.
1907. POLLARD, GEORGE			
1893. POLLIT, EDWARD ERNEST 1894. POLLITT, HARRY	1894.	POLAND, WILLIAM	S.E.
1894. POLLITT, HABRY Sernlea, Altrincham.  1904. POLLOCK, WALTER (3 Lloyds Avenue, E.C. [Specific, London. 493 Central (3 lines).]  1898. POOLEY, HENRY Cavresfield, Disley, Stockport.  1902. POPE, WILLIAM WALLER Hatfield, The Grove, Slough.  1893. A.M. PORRITT, LOUIS ALFRED William Tatham & Co., Vulcan Works, Rochdale.  1890. POTTER, WILLIAM HENRY 72 Bromley Rd., Catford, S.E.  1906. A.M. POWELL, WILLIAM HOWARD HINTON	1907.	POLLARD, GEORGE	
1898. POOLDEY, HENRY			
1898. POOLEY, HENRY POPE, WILLIAM WALLER Hatfield, The Grove, Slough.  1898. A.M. 1990. PORRITT, LOUIS ALFRED Vulcan Works, Rochdale.  1890. POTTER, WILLIAM HENRY Tourner Powell, Henry Coke Tourner Powell, William Howard Hinton Tourner Handley Pridham  1891. Powell, William Howard Handley Pridham  1898. Powrie, William Tatham & Co., Vulcan Works, Rochdale.  1890. Powell, Henry Coke Tourner Hongley Rd., Catford, S.E. Messrs. McKenzie & Holland, 18 Bank Bldgs., St. Mary St., Cardiff.  1891. Pridham March Handley Pridham Messrs. Furnival & Co., 32 St. Bride St., E.C. [Furnival, London.] Denton Iron Works, Carlisle.  1896. Pratten, Frederick Edward Messrs. J. and E. Hall, Dartford.  1895. Pratten, William John Messrs. Harland and Wolff, Belfast.  1890. Preece, Sir William Henry, 8 Queen Anne's Gate, Westminster,	1904.	POLLOCK, WALTER	
1992. POPE, WILLIAM WALLER 1898. A.M. 1901. M. PORRITT, LOUIS ALFRED  1890. POTTER, WILLIAM HENRY 1878. POWEL, HENRY COKE 1906. A.M. POWELL, WILLIAM HOWARD 1910. M. POWELL, WILLIAM HOWARD 1910. M. POWELS, HENRY HANDLEY PRIDHAM  1898. POWRIE, WILLIAM 1898. POWRIE, WILLIAM 1896. PRATCHITT, JOHN 1897. PRATCHITT, JOHN 1898. PRATTEN, FREDERICK EDWARD 1898. PRATTEN, FREDERICK EDWARD 1895. PRATTEN, WILLIAM JOHN 1896. PRATTEN, WILLIAM JOHN 1897. PRATTEN, WILLIAM JOHN 1898. PRATTEN, WILLIAM JOHN 1898. PRATTEN, WILLIAM JOHN 1899. PREECE, Sir WILLIAM HENRY, 8 Queen Anne's Gate, Westminster,	1898.	POOLEY, HENRY	Cavresfield, Disley, Stockport.
Vulcan Works, Rochdale.  1890. POTTER, WILLIAM HENRY  1878. POWEL, HENRY COKE			Hatfield, The Grove, Slough.
1890. POTTER, WILLIAM HENRY  1878. POWEL, HENRY COKE  1906. A.M. POWELL, WILLIAM HOWARD 1910. M. POWLE, HENRY HANDLEY PRIDHAM  1891. {  1892. POWLES, HENRY HANDLEY PRIDHAM  1893. POWRIE, WILLIAM  1896. POWRIE, WILLIAM  1897. PRATCHITT, JOHN  1910. PRATT, CHARLES ALFRED  1905. PRATTEN, FREDERICK EDWARD MESSIS. J. and E. Hall, Dartford. Messis. Harland and Wolff, Belfast.  1890. {  1890. PREECE, Sir WILLIAM HENRY, 68 Queen Anne's Gate, Westminster, 1905.		Porritt, Louis Alfred	Wessrs. William Tatham & Co., Vulcan Works, Rochdale.
1878. POWEL, HENRY COKE 72 Bromley Rd., Catford, S.E.  1906. A.M.) POWELL, WILLIAM HOWARD 1910. M. HINTON	1890.	POTTER, WILLIAM HENRY	Temple Bldgs., Albert St., Notting-
1910. M.) HINTON	1878.	POWEL, HENRY COKE	
1891. {Powles, Henry Pridham } 90 Oakley St., Chelsea, S.W.  1898. Powrie, William {Messrs. Furnival & Co., 32 St. Bride St., E.C. [Furnival, London.] Denton Iron Works, Carlisle.  1910. Pratt, Charles Alfred {Norfolk House, Laurence Pountney Hill, E.C. }  1905. Pratten, Frederick Edward Messrs. J. and E. Hall, Dartford. {Messrs. Harland and Wolff, Belfast. }  1898. Preece, Sir William Henry, {8 Queen Anne's Gate, Westminster, }			Bank Bldgs., St. Mary St., Car-
1967. PRATCHITT, JOHN	1891.		
1910. PRATCHITT, JOHN Denton Iron Works, Carlisle.  1910. PRATT, CHARLES ALFRED . { Norfolk House, Laurence Pountney Hill, E.C.}  1905. PRATTEN, FREDERICK EDWARD MESSIS. J. and E. Hall, Dartford. } Messis. Harland and Wolff, Belfast.  1890.   PREECE, Sir WILLIAM HENRY,   8 Queen Anne's Gate, Westminster,	1898.	POWRIE, WILLIAM	
1910. PRATT, CHARLES ALFRED {Norfolk House, Laurence Pountney Hill, E.C.}  1905. PRATTEN, FREDERICK EDWARD Messrs. J. and E. Hall, Dartford.  1885. PRATTEN, WILLIAM JOHN {Messrs. Harland and Wolff, Belfast.}  1890 {PREECE, Sir WILLIAM HENRY, {8 Queen Anne's Gate, Westminster,}	1867.	PRATCHITT, JOHN	Denton Iron Works, Carlisle.
1905. PRATTEN, FREDERICK EDWARD Messrs. J. and E. Hall, Dartford.  1885. PRATTEN, WILLIAM JOHN . Messrs. Harland and Wolff, Belfast.  1890 PREECE, Sir WILLIAM HENRY, 18 Queen Anne's Gate, Westminster,	1910.	PRATT, CHARLES ALFRED	Norfolk House, Laurence Pountney
PRATTEN, WILLIAM JOHN {Messrs. Harland and Wolff, Belfast. {PREECE, Sir WILLIAM HENRY, {8 Queen Anne's Gate, Westminster, }}	1905.	PRATTEN, FREDERICK EDWARD	Messrs. J. and E. Hall, Dartford.
PREECE, Sir WILLIAM HENRY, 18 Queen Anne's Gate, Westminster,	1885.	PRATTEN, WILLIAM JOHN	Messrs. Harland and Wolff, Bel-
	1890.		18 Queen Anne's Gate, Westminster,

1902.	Prescott, Walter Henry	Eng. and Chief Surveyor, Urban District Council, Council Bldgs., Tottenham, N. [Prescott, Lower Tottenham.]
1903. A.M. 1906. M. 1903.		Mirrlees Watson Co., Scotland St., Glasgow. Moulamein, New South Wales.
1877.	PRICE, HENRY SHERLEY	46 Watling St., E.C. [Indices, London. Bank 5077.]
1896.	PRICE, JAMES	Harbour Eng., Custom House St., Cork.
1890. 1889.	Price, John	Inspecting Eng., Workington. Dyserth Castle, Dyserth, Rhyl. (Revelstoke, St. Gabriel's Road,
1859.	PRICE-WILLIAMS, RICHARD	Brondesbury, N.W. [Spandrel, London.]
	PRICE - WILLIAMS, SEYMOUR WILLIAM	Messrs. James Mansergh & Son, 5 Victoria St., Westminster, S.W.
1906.	Pringle, Percival John	Boro' Electrical Eng., Burton-on- Trent.
1896. A.M. 1899. M.		Port Dinorwic Dry Dock, Car- narvonshire; and Cae Gwyn, Port Dinorwic, R.S.O., Car- narvonshire.
1904. A.M. 1908. M.		Marine Kasino, Pola, Austria.
1909.	PRITCHARD, PHILIP MORRIS	Chief Eng., United Alkali Co.' Widnes.
1906.	PROCTER, JAMES	Wrockwardine Villa, near St. George's, Wellington, Salop.
1895.	PROCTOR, CHARLES FARADAY	144 Simonside Terrace, Heaton, Newcastle-on-Tyne.
1894.	Pryce, Henry James	Loco. Supt., North London Rly., Bow Road Works, E.; and 33 Moresby Rd., Upper Clapton, N.E.
1895. A.M. 1898. M.	PUGH, CHARLES VERNON	Radford House, Coventry.
1899. A.M. 1910. M.		Guiting House, Allesley, Coventry.
1895. A.M. 1900. M.	PULLAR, ALBERT EVANS	Pullar's Dye Works, Perth.
1887. G. 1890. M.		9 Maibrook Rd., Putney, S.W.
1898. 1884.	PULMAN, THOMAS CHARLES PUPLETT, SAMUEL	43 Birch Grove, Acton, W. 47 Victoria St., Westminster, S.W.
1887.	PYNE, Sir THOMAS SALTER, C.S.I.	St. Stephen's Club, Westminster, S.W.
1909.	Quiggin, Daniel Arthur	19 Castle Street, Liverpool.
1905.		(P.O. Box 343, Pietermaritzburg, Natal.
1900.		Broken Hill Chbrs., 31 Queen St., Melbourne, Victoria.
1878.	RADFORD, RICHARD HEBER	[15 St. James' Row, Sheffield. [Radford, Sheffield.]

1899 A M	1	
1904. M.	RADLEY, BERTRAM VERNON	E. I. Rly., Jamalpur, Bengal.
1885.	RAINFORTH, WILLIAM	(Britannia Iron Works, Lincoln.
1894. A.M.	RAMSBOTTOM, JOHN GOOD-	Rainforths, Lincoln.] (86 Commonwealth Avenue, Chest-
1895. M.		nut Hill, Mass., U.S.
1908.	RANA, Colonel KESHORE NAR-	State Executive Engineer, Nepal Govt., Katmandu, Nepal, India.
1892. G.	)	St. Stephen's House, Victoria Em-
1909. M.	RANSOM, HERBERT DYROM	bankment, Westminster, S.W.
1909.	RANSOM, PETER AUGUSTUS	56 Cannon Street, E.C.
1860.	RANSOME, ALLEN	(Stanley Works, Newark; and 1 James St., Lincoln.
1899.	Rapley, Frederick Harvey	c/o Messrs. M. Clark & Co., 9 New Broad St., E.C.
1889.	RATCLIFFE, JAMES THOMAS	Baumwoll Manufactur, I. K. Poz- nanski, Lodz, Russian Poland.
1904.	RATEAU, Professeur AUGUSTE	École Supérieure des Mines, 7 Rue Bayard, Paris.
1893,	RAVEN, VINCENT LITCHFIELD	Chief Mech. Eng., N. E. Rly., Dar-
		lington.
1906. 1895. G.	RAWORTH, BENJAMIN ALFRED	35 and 36 Bedford St., Strand, W.C. (Sir W. G. Armstrong, Whitworth &
1896. A.M.		Co., Ashton Rd., Openshaw,
1908. M.		Manchester.
1904.	READ, HENRY GEORGE	Lagernaya 19, Omsk, Western Siberia.
1883.	READER, REUBEN	Phœnix Works, Cremorne St., Not- tingham.
1987.	Readhead, Robert	Messrs. John Readhead & Sons, WestDocks, South Shields [Read- head, South Shields. G.P.O. 14. Nat. 2024.]; and South Garth, South Shields.
1907.	REAVELL, WILLIAM	Messrs. Reavell & Co., Ranelagh
4000	(REAY, THOMAS PURVIS (Mem-	Works, Ipswich. Messrs. Kitson & Co., Airedale
1882.	ber of Council)	Foundry, Leeds.
1901.	REDMAN, JOSEPH	Pioneer Iron Works, Halifax.
1903.	REDMAN, JOSEPH FELL	38 Leadenhall St., E.C.
1881.	REDPATH, FRANCIS ROBERT	Canada Sugar Refinery, Montreal, Canada. [Redpath, Montreal.]
1894.	Penn Tormer William	Manager, Engine Works Dept.,
1094.	REED, JOSEPH WILLIAM	Palmer's Shipbuilding & Iron Works, Jarrow.
1891.	REED, THOMAS ALFRED	Bute Docks, Cardiff. [Steam, Cardiff. 171.]
1906.	REES, WILLIAM JOHN	Mang. Director, Glanmor Foundry and Engineering Works, Llanelly.
1906.	REESE, ARNOLD KARTHAUS	Dowlais-Cardiff Works, East Moors, Cardiff.
1901.	REEVES, ARTHUR ROBERT	46 Queen Victoria St., E.C.
400=	(Reid, Andrew Thomson (Life	(North British Locomotive Co.,
1897.	Member)	Hyde Park Loco. Works, Glasgow. [Loco, Glasgow. Royal 822.]
1891.	REID, HUGH (Life Member)	North British Locomotive Co., Hyde Park Loco. Works, Glasgow. [Loco, Glasgow. Royal 822.]

(North British Locomotive Co.,

1897.	Reid, John (Life Member)	Hyde Park Loco. Works, Glas-
		gow. [Loco, Glasgow. Royal 822.] Westinghouse Brake Co., 82 York
1889.	RENDELL, ALAN WOOD	Rd., King's Cross, N.; and 101
1005.	MENDELL, ALAN WOOD	Canfield Gardens, S. Hampstead,
		N.W. Progress Works, 3 Brook St., Man-
1902.	RENOLD, HANS	chester. [Driving, Manchester.
	,	3219.]
1876.	RESTLER, JAMES WILLIAM	17 Queen's Gate, South Kensing-
		ton, S.W. (Box 92, Johannesburg, Transvaal:
1883.	(REUNERT, THEODORE (Life	(or c/o Messrs. Findlay, Durham
	( Member)	& Brodie, 110 Cannon St., E.C.)
1879.	REYNOLDS, GEORGE BERNARD	Constitutional Club, Northumber-
	,	land Avenue, W.C. P.O. Box 92, Johannesburg, Trans-
1910.	REYNOLDS, HARRY	vaal.
1004	D T	The New Engineering and Ship-
1904.	REYNOLDS, JAMES	building Works, Shanghai, China.
1906.	REYNOLDS, JAMES ARTHUR	Suptg. Eng., East Anglian Ice Co.,
		Messrs. Travers & Co., Britannia
1898.	REYNOLDS, WILLIAM FLECK	Works, Springfield Rd., Belfast.
1000	Deep Manage Comment	(Aldermary House, 60 Watling St.,
1890.	RICE, THOMAS SYDNEY	E.C. [Ricto, London.]
1000	(RICHARDS, EDWARD WIND-	Plâs Llecha, Tredunnock, Caerleon,
1866.	SOR (Past-President)	Mon. [Windsor Richards, Llan- gibby.]
1005	(RICHARDS, HENRY WILLIAM	Phœnix Iron Works, Leicester.
1897.	HALL	[Richards, Leicester. 89.]
1905.	RICHARDSON, CHARLES ERNEST	Messrs. Richardson & Blair, 11
		Grey St., Wellington, N.Z. (Engin-Chief, Dundee Electrical
1907.	RICHARDSON, HARRY	and Tramways Depts., Dudhope
		Crescent Rd., Dundee. (Messrs. Hick Hargreaves & Co.,
4000		
1892.	RICHARDSON, HARRY ALFRED	Soho Iron Works, Crook St., Bolton.
1873.	RICHARDSON, JOHN	Lincoln.
1899. A.M.	1	The Cottage, Barrowgate Road,
1902. M.		Chiswick, W.
1891.	RICHARDSON, JOHN SCOTT	Craigard, Lenzie, Glasgow.
1909.	RICHARDSON, ROBERT DOUGLAS	Supt. Eng., Messrs. T. & J. Harrison, Mersey Chbrs., Liverpool.
1895. G.	1	(Loco., Carr. and Wagon Supt.,
1900. A.M.		Rhymney Rly., Caerphilly, Car-
1906. M.		diff; and Hartley, St. Martin's
		Rd., Caerphilly, Cardiff. (Loco. Supt., Taff Vale Rly., Car-
1874.	(RICHES, TOM HURRY	diff; and Springfield, Pen-y-lan
	(Past-President)	Rd., Cardiff.
1906.	RICHMOND, JOHN RITCHIE	Messrs. G. & J. Weir, Holm
1894. G.	1	Foundry, Catheart, Glasgow.
1897. A.M.	RICHMOND, WILLIAM FRED-	Rose Mount, Didsbury Rd., Heaton
1899. M.	ERICK	Mersey, Manchester.

		(Of Davel Euchange Manchester
1899.	RIDE, SAMUEL	[85 Royal Exchange, Manchester.]
1899.	RIDER, JOHN HALL	P.O. Box 149, Johannesburg, Transvaal.
1895. A.M.) 1909. M.)	RIDLEY, CLARENCE OLIVER	Sir W. G. Armstrong, Whitworth & Co., 8 Great George St., West- minster, S.W.
1879.	RIDLEY, JAMES CARTMELL	Swalwell Steel Works, Newcastle- on-Tyne.
1910.	Riegen, Johannes von	Chief Supt. Eng., Norddeutscher Lloyd, Hong Kong, China.
1907.	RINGQUIST, JUSTUS MAGNUS	Messrs. Head, Wrightson & Co., Teesdale Iron Works, Thornaby- on-Tees.
1885. G.) 1893. M.		Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich.
1884. A.	RIPPER, Professor WILLIAM,	Technical Dept., The University,
1886. M.)	D.Eng	Sheffield. (Chief Eng., Newcastle-on-Tyne
1902.	RISELEY, HARRY LORIMER	Electric Supply Co., Royal Exchange Bldgs., Hood St., Newcastle-on-Tyne.
1879.	RIXOM, ALFRED JOHN	108 Park Rd., Loughborough.
1903.	ROBB, ALEXANDER	Holyrood House, Plane St., Anlaby Rd., Hull.
1893. A.M.) 1907. M.)	Roberts, Charles Thomas	Champion Reef G. M. Co. of India, Mysore Province, India.
1899.	Roberts, David	Genl. Manager, Messrs. R. Hornsby & Sons, Spittlegate Iron Works, Grantham. [Hornsbys, Gran- tham.]
1903.	ROBERTS, DAVID EVAN	59 Queen St., Cardiff. [Formula, Cardiff. 365.]
1908.	ROBERTS, EDMUND	Supt., Public Works & Surveys, Labuan and Brunei, Straits Settlements.
1908.	ROBERTS, EDWARD	Roberts' Bldgs., Stuart St., Dune-
1906.	ROBERTS, GERVASE HENRY	din, New Zealand. Royal Ordnance Factories, Wool- wich.
1903.	ROBERTS, HARRY	Messrs. Roberts Brothers, Dukin- field, Manchester.
1891.	Roberts, Hugh Jorwerth	[In- genious, Liverpool.]
1887.	ROBERTS, THOMAS	Adelaide Club, Adelaide, S. Australia.
1902.	ROBERTSON, DAVID	Messrs. Wm. McKinnon & Co., Spring Garden Iron Works, Aberdeen.
1892.	Robertson, Leslie Stephen	[28 Victoria St., Westminster, S.W. [Eyebolts, London.]
1905.	ROBIN, FREDERICK ALEXANDER	148 Pembridge Villas, Bayswater,
1902.	ROBING ALBAN GROBGE	W. Bishopstone Cottage, Ledborough
1899.	ROBINS, ALBAN GEORGE ROBINS, GEORGE MEAD	Lane, Beaconsfield, Bucks.
	(Robinson, Arthur Samuel	Gas and Water Eng., Sutton, Surrey. (The White House, Barsham,
1909.	FRANCIS	Beccles.

Date	of	Election
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1894.	ROBINSON, CHARLES JOHN	Railway Works, Rochdale. [Robin-
1900. 1890.	ROBINSON, EDWARD MARK ROBINSON, FREDERICK ARTHUR	on, Rochdale.] Post Office, Calgary, Alberta, Canada. Camden Holt, Chislehurst.
1874.	Robinson, Professor Henry	Parliament Mansions, Victoria St.,
1903. G.)		Westminster, S.W.
1905. A.M. 1910. M.	Robinson, Isaac Vincent	Messrs. Richardsons, Westgarth & Co., Hartlepool.
1895.	Robinson, James	Ravenscraig, Seaforth, Liverpool.
1898.	Robinson, James Armstrong	Stafford Road Works, G.W. Rly., Wolverhampton.
1878.	Robinson, John Frederick	North British Locomotive Co., 17 Victoria St., Westminster, S.W. (Chief Loco. Eng., G.C. Rly., Gor-
1991.	Robinson, John George	ton, Manchester; and Booth-dale, Fairfield, Manchester.
1901.	Robinson, John James	P.O. Box 377, Durban, Natal.
1899.	ROBINSON, JOSEPH DRINK- WATER, R.N.R	Gold Coast Rly., Sekondi, West Africa.
1901. A.M. 1907. M.	Robinson, Leonard Leslie	Boro' Electrical Eng., Hackney Electricity Works, Millfields Rd., Clapton, N.E.
1894.	ROBINSON, MARK HEATON (Member of Council)	(Parliament Chambers, Great Smith St., Westminster, S.W. [Cyclostyle, London. 2610 Victoria.]
1895.	ROBINSON, Professor WILLIAM	University College, Nottingham.
1903.	ROBINSON - EMBURY, Captain RICHARD PERCY, late R.E	Messrs. Cammell Laird & Co., Ord- nance Works, Coventry.
1899.	Robson, William Henry	49 Polwarth Gardens, Edinburgh.
1907. A.M.) 1909. M.	Rodger, James Allison	Supt. Eng., Steam Ship Dept., G. C. Rly., Grimsby.
1872.	Rofe, Henry	8 Victoria St., Westminster, S.W.
1906.	Rogers, George Kenyon	Signal Eng., E. Bengal State Rly., Calcutta.
1903.	ROGERS, HERBERT MALCOLM	81 Gracechurch St., E.C.
1908.	ROGERSON, ALBERT CHORLEY	Works Manager, Messrs. Beyer, Peacock & Co., Gorton Foundry, Manchester.
1902.	Rogerson, Thomas Bond	Genl. Manager, Messrs. James Dunlop & Co., Clyde Iron Works, Tolcross, Glasgow. [3659.]
1906.	Rolfe, Harry	International Buildings, Kingsway, W.C.
1898.	Rolfe, John Herbert Hieron	12 Mission Row, Calcutta, India.
1892.	RONALD, HENRY	Chief Supt., Messrs. Eley Brothers, Angel Rd., Edmonton, N.
1906.	Roncebay, Eugène	255 Rue St. Honoré, Paris (1er.), France.
1908.	ROOKE, WILLIAM MASON	74 International Bldg., Yokohama; and 7c Bluff, Yokohama, Japan. Via Siberia.
1898. A.M.) 1899. M.)	ROOTS, JAMES D	Thanet House, Temple Bar, W.C.
1889.	ROSENTHAL, JAMES HERMANN	Babcock and Wilcox Co., Oriel House, Farringdon St., E.C.
1908. A.M.) 1910. M.)	Rosher, Noël Burn	(Union Chambers, Temple Row, Birmingham.

Date	e of	El	ect	ion
and	of '	Fra	ns	fer.

1905.	Ross, James Russell	Manager, Parkhead Forge and Steel Works, Glasgow.
1902.	Ross, John	(Supt. Eng., Leeds and Liverpool
1881.	Ross, William	Canal Co., Wigan.  North Wall Iron Works, Dublin.
1896. A.M.)		[Iron, Dublin, 311.] Inspecting Eng., Hazelmere,
1898. M. ( 1898. A.M.)	BANK	Southport. Wharf Foundry, Bolton. [Jack-
1902. M.	LOXTON	\ son, Bolton. 34.] \[ \text{Messrs. Galloways}, 17 \] Philpot
1904.	ROUGHT, CHARLES	Lane, E.C. [Rought, London. 2866 Avenue.]
		Mech. Eng. to the L.C.C., County
1893.	ROUNTHWAITE, HENRY MORRISON	Hall, Spring Gardens, S.W.; and 12 Holmbush Rd., Putney Hill, S.W.
1878.	ROUTH, WILLIAM POLE	Oakfield, Southern Hill, Reading.
1898.	Row, Oliver Matthews	Dalham Engineering Works, Irlam, Manchester.
1907.	Rowley, Stamford Harry	Messrs. Barlow & Chidlaw, Ltd., Croft St., Pendleton, Manchester. [Works, Manchester. 3685.]
1903.	Roy, William	Messrs. Spencer & Co., Melk-sham.
1898.	ROYCE, FREDERICK HENRY	Messrs. Rolls-Royce, Ltd., Nightingale Rd., Osmaston, Derby.
1897. A.M.) 1900. M.)	ROYLANCE, ARTHUR HERBERT	Haworth's Bldgs., 5 Cross St., Man-
1901. A.M.	RUDDER, FRANK PERCY	chester.  8 Grove Terrace, Osmaston Rd.,
1910. M. J	RUNDALL, Captain CHARLES	Military Supt., Brennan Torpedo
1906.	RUSSELL, FRANCIS WILLIAM	Factory, Chatham.  Messrs. Juan Bannister Sucesores,
2000,	attonounce, a marron 11 initiate.	Mexico City D.F., Mexico. (Engin-Chief, N. Metrop. Electric
1902.	RUTHVEN - MURRAY, ETHEL-	Power Supply Co., Manor House Offices, Seven Sisters Rd., Fins-
		bury Park, N.
1000	December II	Eng., Western District, Metro- politan Water Board, 41 and 43
1902.	RUTTER, HENRY FILLMER	Commercial Road, Pimlico, S.W.
1885.	Ryan, John, D.Sc	Grove House, Milltown, Co. Dublin.
1901. A.M.) 1904. M.)	RYDER, GEORGE ALBERT	Turner Bridge Iron Works, Tonge, Bolton.
1908.		Messrs. Stothert and Pitt, Newark
	BAYLEY	Foundry, Bath. Eng. and Manager, Corpn. Water
1902.	SAINTY, CHRISTOPHER	Works, Tangier Islands, Eton, Windsor. [Sainty, Eton. Wind-
		sor 0148.]
1903.	Sampson, Edward Dudley	Dist. Loco. Supt., Southern Mah- ratta Rly., Hubli, India.
1901. 1881.	Same, Joseph Henry Samuelson, Ernest	45 Pembroke Sq., Kensington, W. Britannia Iron Works, Banbury.
2301.	SAMUELSON, PENEST	Directina from Works, Danbury.

1890.	SANDBERG, CHRISTER PETER	Palace Chambers, Bridge St., Westminster, S.W.
1899.	SANDEMAN, EDWARD	Eng., Derwent Valley Water Board, Bamford, Sheffield.
1881.	SANDERS, HENRY CONRAD	Victoria Works, Gordon Rd., Southall; and 33 Castle Bar Road, Ealing, W.
1871.	Sanders, Richard David	Hartfield, Mycenæ Rd., Blackheath, S.E.
1886.	Sandford, Horatio	Messrs. E. A. and H. Sandford, Thames Iron Works, Gravesend.
1881.	Sandiford, Charles, C.B	Loco. Supt., Uganda Rly., Mombasa.
1891.	Sands, Harold	Bernersmede, Carlisle Road, East- bourne.
1894.	SANKEY, Captain Matthew HENRY PHINEAS RIALL, R.E., ret. (Member of Council)	Palace Chbrs., 9 Bridge St., Westminster, S.W. [Fusible, London. Gerrard 3195.]
1899.	SARGEANT, EDWARD FRANK	[Sar-geant, Stroud, 14.]
1900.	SAUVAGE, Professeur EDOUARD	14 Rue Eugène Flachat (17° arr'), Paris.
1874.	SAUVÉE, ALBERT	Union Works, 60 Park St., Southwark, S.E. [Sovez, London. Hop 213.]
1880.	Saxby, John	Rly. Signal Works, Canterbury Rd., Kilburn, N.W. [Signalmen, London. Kilburn 421.]; and North Court, Hassocks, R.S.O., Sussex.
1893.	Saxon, Alfred	Openshaw Engineering Works and Examiner Bldgs., Manchester. [959 and 3904.]
1894.	Saxon, George	Openshaw Engineering Works and Examiner Bldgs., Manchester. [959 and 3904.]
1894.	SAXON, JAMES	Openshaw Engineering Works and Examiner Bldgs., Manchester. [959 and 3904.]
1902.	Sayers, Ricardo John Henry	Albion Iron Works, Miles Platting, Manchester.
1905. A.M.) 1909. M.)	Schiller, Frederick William	Messrs. Siemens Brothers' Dynamo Works Ltd., Stafford.
1890.	Schofield, George Andrew	Oakwood, Mildenhall, S.O., Suffolk. (Direction General de Obras de
1886.	Scholes, William Henry	Salubridad, 1840 Calle Charcas, Buenos Aires, Arg. Rep.
1899. G.) 1902. A.M.)	Schontheil, Theodore	Western Mail Chbrs., Cardiff.
1908. M.)	SCHONIHEID, IHEODOKE	[Thor, Cardiff. 606 P.O.]
1886.	SCHURR, ALBERT EBENEZER	Messrs, Fry Miers & Co., 112 Cannon St., E.C.
1882. G. 1888. M.	Scott, Charles Herbert	Queen Street Chambers, Gloucester. [Engineer, Gloucester. 794.]
1886.	SCOTT, JAMES	Consett Iron Works, Consett, R.S.O., Co. Durham.
1891.	SCOTT, Professor ROBERT JULIAN	N.Z. University, Canterbury College, Christohurch, N.Z.

1861. Sco	TT, WALTER HENRY	32 Argyle Road, Ilford.
1906. A.M.) Sco	TT, WILLIAM ANGUS	Caledonian Chbrs., 102 St. Mary
1909. M. SEA	BROOK, ALFRED WILLIAM	St., Cardiff. 40 Mayfair Avenue, Ilford.
1900. A.M.) SEA	ABROOK, ARTHUR HUGH	Marylebone Electric Supply, 19 &
1907. M. SEA	MAN, CHARLES JOSEPH	1 20 York Place, W. Mount Elbury, Worcester.
		Chief Eng., London General Omni-
1910. SEA	ARLE, FRANK	bus Co., 9 Grosvenor Rd., West- minster, S.W.
		(32 Victoria St., Westminster,
1882. SEA	ATON, ALBERT EDWARD	S.W. [Seaquake, London, 207 Victoria.]
1909 A.M.) Sm	GUNDO, EDWARD CARSTEN-	267 Dashwood House, New Broad
	EN DE	St., E.C. [Awesome, London.
		2686 Central.] (Messrs. Ehrhardt and Sehmer,
1908. SEI	HMER, EDUARD GEORG	Schleifmühle-Saarbrücken 1,Ger-
1001	25	many. 2 Rue du Lac, Bruxelles, Bel-
	LBY, MILLIN	gium.
	LFE, NORMAN	279 George St., Sydney, N.S.W. (Duffield, Derby. [Sennett, Little
1896. SE1	NNETT, ALFRED RICHARD	[ Eaton, Derby. 17 Duffield.]
1903. SEV	VERN, WILLIAM HENRY	93 Rue Defacqz, Brussels, Belgium. (Managing Director, Metrop. Amal-
1004 (SHA	ACKLEFORD, WILLIAM COP-	gamated Rly. Carriage and
	EY	Wagon Co., Saltley, Birming-
1000	1 M	(3 St. Michael's Villas, Headingley,
1903. Sна	ANKS, ARTHUR THORNTON	Leeds.
1884. SHA	ANKS, WILLIAM	Messrs. Thomas Shanks & Co., Johnstone, near Glasgow.
	,	[Shanks, Johnstone.]
1902. SHA	ARMAN, PHILIP ALAN	113 Cannon St., E.C.; and 10 Bedford Rd., Hitchin. [Graf-
		[ tonian, London.]
	ARP, JOHN	115 Shaftesbury Avenue, W.C. 28 Burnbank Gardens, Glasgow.
	ARP, JOHN	North British Locomotive Co.,
	ARP, RICHARD	Springburn, Glasgow. Banklands, Workington.
	D C	Works Manager, Leeds Forge,
	ARP, ROBERT GORDON	Leeds. 13 Victoria St., Westminster, S.W.
	The Marian Williams	Messrs. Olive & Partington, Turn
		Lee Mills, Glossop. Furness Rly., Barrow-in-Furness.
1893. G.)	ARPLES, EDWARD	
	ARPLEY, GEORGE RUSTON	Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln.
1900. M.) 1907. A.M.) G.,	A PONTEN TI-	(Electricity Supply and Tramways
1911. M.) SH	AW, ARTHUR HENRY	Offices, Ley St., Ilford.
1881. SH	AW, JOSHUA	Messrs. John Shaw & Sons, Wellington St. Works, Salford, Man-
	,	chester.
1909. SH	AW, JOSHUA	Genl. Manager, Mersey Railway, Central Station, Birkenhead.
		, , , , , , , , , , , , , , , , , , , ,

and of Transfer.	
1900. SHAW, PERCY CHARLES WILLIAM	Municipal Tramways Trust, Adelaide, South Australia.
1899. A.M. SHAWCROSS, GEORGE NUTTALL 1902. M.	Lancs. & Yorks. Rly., Horwich, Lancs.
1902. {Shawfield, Charles Edwin Campbell	Resident Electrical Eng., Corpn. Electricity Works, Wolverhampton.
1902. Sheffield, George Harrison	38 Victoria Street, Westminster, S.W.
1890. Sheldon, Harry Cecil	63 Long Row, Nottingham. [01844.]
1900. Sheldon, William John	Resident Eng., São Paulo Rly., São Paulo, Brazil.
1899. SHEPHERD, RICHARD LILLING-	Phillips River Gold and Copper Co., Ravensthorpe, Western Australia.
1876. SHIELD, HENRY	Messrs. Fawcett Preston & Co., Phœnix Foundry, 17 York St., Liverpool.
1888. Shin, Tsuneta	26 Minamicho Nichome, Aoya- ma, Akasaka-ku, Tokyo, Japan.
1889. SHONE, ISAAC	§47 Victoria Street, Westminster, S.W.
1890. Shoosmith, Harry	Wynford, Abbey Wood, Kent.
1903. Short, Alfred	Victoria Engineering Works, Shep- stone St., Durban, Natal.
1910. SHORT, WILLIAM LLEWELLYN EVERETT	Works Manager, Messrs. Davey, Paxman & Co., Standard Iron Works, Colchester.
1893. Shroff, Adurjee Burjorjee	Chief Eng., Sassoon Spinning Mills, Bombay.
1885. SHUTTLEWORTH, Colonel FRANK	Stamp End Works, Lincoln; and Old Warden Park, Biggleswade. [Claytons, Lincoln.]
1907. SIBBALD, THOMAS KNIGHT	Supt. Eng., Boulac Engine Works, Cairo, Egypt.
1899. SIBBERING, GEORGE THOMAS	Eng., Taff Vale Rly., Cardiff.
1891. {SIEMENS, ALEXANDER (Life Member)	Caxton House, Westminster, S.W. [860 Gerrard.]
1905. A.M.) SILLAR, ALFRED RICHMOND	Peking Chinese Chartered Electric Light Co., Peking, China.
1898. SILLAR, ARTHUR MOLYNEUX	Iddesleigh Mansions, Caxton St., Westminster, S.W.
1897. A.M.) SIME, WILLIAM	15 Vaughan Rd., Stratford, E.
1899. SIMMANCE, JOHN FREDERICK	Westminster Works, Earl St., Westminster, S.W.
1906. Simms, Frederick Richard	Simms Manufacturing Co., Welbeck Works, Kimberley Rd., Willes- den Lane, Kilburn, N.W.
1910. Simon, Ernest Darwin	Messrs. Henry Simon, 20 Mount St., Manchester.
1877. {Simonds, William Turner} (Life Member)	99 Albemarle Rd., Beckenham.
1902. A.M. SIMPKIN, FRANK HENRY	159 Firth Park Rd., Sheffield.
1876. SIMPSON, ARTHUR TELFORD	(Eng., Chelsea Water Works, 38 Parliament St. S.W.

and of Ti	ransier.	
		(101 Grosvenor Rd., Pimlico, S.W.;
1883.	G. SIMPSON, CHARLES LIDDELL	and 13 Montagu Place, Montagu
1892.	M.)	Sq., W.
1010	SIMPSON, JOHN ANDREW	Messrs. Jessop & Co., 93 Clive St.,
1910.	SIMPSON, JOHN ANDREW	Calcutta, India.
1902.	SIMPSON, WILLIAM	Harbour Engineer, Sunderland.
1903.	SINCLAIR, HERBERT	Loco. Dept., G. N. Rly., Peter-
1891.	S - D	borough. 82 Pitt St., Sydney, N.S.W.
		(c/o Vice-Admiral Ahmed Pasha,
1899.	A.M.) SIRRI, Major M	Imperial Naval Arsenal, Con-
1905.	M.)	stantinople.
1010	Concer Annual Warm	2 Grosvenor Rd., Wotton, Glou-
1910.	Sisson, Arthur White	cester.
1881.	SISSON, WILLIAM	Messrs. W. Sisson & Co., Ltd.,
1001.		Gloucester. [Sisson, Gloucester.]
1906.	SKELTON, Eng. Commander	H.M. Submarine Depôt, Fort
2000,	REGINALD WILLIAM, R.N	Blockhouse, Gosport.
1904.	SKINNER, ARTHUR	Hadfield's Steel Foundry Co., East Hecla Works, Tinsley, Sheffield.
		(Messrs. John Russell & Co., Alma
1902.	SLATER, JAMES GEORGE	Tube Works, Walsall.
		(Inspector General of Lighthouses,
1892.	SLIGHT, GEORGE HENRY	Casilla 812, Valparaiso, Chile.
4004	Constant Assessment	(34 Castle St., Liverpool. [Technical,
1891.	SLOAN, ROBERT ALEXANDER	[ Liverpool. 6080.]
1908.	SMALES, THOMAS	Devonshire House, Barrow Hill,
1900.	DMALIES, IRUMAS	Chesterfield.
1897.	SMALLMAN, HERBERT SPENCER	Globe Tube Works, Wednesbury.
		[Tubes, Wednesbury. 6504.]
1900.	SMART, ALEXANDER	Erith, S.O., Kent.    Palace Chbrs., 9 Bridge Street,
1898.	SMART, LESLIE SANDERSON	Westminster, S.W.
1903.	A.M.) GRADE T. PRICE ANDERGON	(31 Budge Row, E.C. [Uncanny,
1909.	M. SMART, LEWIS ANDERSON	London. 780 London Wall.
		Messrs. Blake, Barclay & Co.,
1901.	SMART, ROBERT HOWIE	{ Victoria Works, Greenock.
		[Filter, Greenock. 130.]
1899.	SMEDDLE, JOHN HENRY	Divl. Loco. Supt., N. E. Rly.,
2000.	Donate Date of the second	York.
1889.	SMELT, JOHN DANN	Greylands, Castle Bar Park, Ealing,
1899.	SMETHURST, WILLIAM	W. [Smelt, London.]
10000	SMETHURST, WILLIAM	97 Bridge St., Manchester. (Castle Iron Works, Raglan St.,
1901.	SMITH, DANIEL	Wolverhampton. [Presses, Wol-
	,	verhampton. 210.7
1909.	SMITH, FREDERICK HENRY	Fenwick Chambers, Liverpool.
1881.	SMITH, HENRY	Messrs. Simpson & Co., 101
		Grosvenor Rd., Pimlico, S.W.
	A.M.) SMITH, HENRY JOSEPH TRIVESS	Municipal Offices, Bombay, India.
1909.	M. Smith, HERRI JOSEPH IRIVESS	
		Basford Brass Works, Nottingham;
1898.	SMITH, ISAAC	and Hickling Lodge, near Keyworth, Notts. [Smiths, Notting-
		ham. 1537.]
		(Salford Works, Richard St., Birm-
1893.	SMITH, JOHN	ingham. [Profiler, Birmingham.
		2540.]

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1898.	Sмітн, Јони	Burton Brewery Co., Burton-on- Trent.
1906.	Sмітн, John	Ormondville, Dundyvan Rd., Coatbridge.
1908.	SMITH, JOHN FAIRFULL	Pilaya Gold Syndicate, Camargo, Bolivia. Viâ Buenos Aires and Tupiga.
1891.	SMITH, JOHN RENEY	Kildare, Heswall, Birkenhead.
		Loco. Dept., G. C. Rly., Gorton, Manchester.
1903. A.M.) 1910. M.)	SMITH, JONAH WALKER	City Eng., Local Govt. Board, George St., Edinburgh.
1870. G.) 1876. M.	SMITH, MICHAEL HOLBOYD	26 Cambridge St., Pimlico, S.W.
1905. A.M.) 1909. M.)	SMITH, PERCY HARRY FROST	Messrs. Thomas Tilling, Winchester House, Peckham, S.E.
1886.	SMITH, REGINALD ARTHUR	Ordsal Station Electrical Works, Salford, Manchester.
1001	SMITH, Professor ROBERT	(Trent, 3 Thirlmere Rd., Streatham,
1881.	HENRY	S.W.
1897.	SMITH, ROBERT WALKER	Works Manager, New Enfield Cycle Co., Hunt End Works, Redditch; and Stoneleigh, Redditch.
		Electrical Eng., G. W. Rly., 66
1896.	SMITH, ROGER THOMAS	Porchester Rd., Paddington, W.
1897. A.M.	Smith, Sidney	P. O. Box 1905, Johannesburg,
	(SMITH, Colonel STANLEY	Transvaal.  33 Sussex Square, Kemp Town,
1903.	GEORGE DREW, R.A., ret	Brighton.
		Dudbridge Iron Works, Stroud,
1898.	SMITH, TOM GRAVES	Glos. [Humpidge, Cainscross. 7.]; and The Tynings, Stone-house, Glos.
1904.	SMITH, WALTER HENRY	Belmont, Arnold St., Observatory, Cape Town, Cape Colony.
1881.	SMITH, WASTENEYS	[Wasteneys, Newcastle-on-Tyne.] G.P.O. 429; Nat. 2018.]
		(Manager, Messrs. Pilkington Bros.,
1890.	SMITH, WILLIAM	British Plate Glass Works, Ravenhead, St. Helens, Lancs.
1900.	SMITH, WILLIAM HILL	Messrs. James Stansfield & Son, 9 Leeds Rd., Bradford.
1887.	SMITH, WILLIAM MARK	Lugano, Latchmere Rd., Kingston- on-Thames.
1904. A.M.) 1906. M.)	Smyth, Gerald Millner	Mech. Eng. Dept., Messrs. H. Eckstein & Co., P.O. Box 149, Johannesburg, Transvaal.
1891. G.) 1895. A.M.) 1898. M.)	Snell, John Francis Clever-	8 Queen Anne's Gate, Westminster, S.W.
1885.	Snowdon, John Armstrong	York Villa, South Cliff, Sear-
1897.	SNOXELL, GEORGE EDGAR	borough. Green Bank, Trimmingham, Halifax.
1895.	SOMERS, WALTER	Haywood Forge, Halesowen, Bir-
1000.	Commission of Allerent	mingham.

1911.	MEMBERS	
Date of Electic	on er.	
1887.	Sorabji, Shapurji	16 A
1889.	Souter-Robertson, David	Supt.
1900.	Sparkes, Samuel Hurford	Genl. the
1893.	SPENCE, ARTHUR WILLIAM	{ Mans En
1898.	Spence, Wilfrid L	\\\\[ [E]
1887.	SPENCER, ALEXANDER	\\ \begin{align*} 77 \ \ Sp. \\ \ \ Sp. \end{align*}
1878.	Spencer, Alfred G	{77 Sp
1892.	Spencer, Henry Bath	Zeito
1905.	SPENCER, JOHN AUBREY BERK-	{11 S Ca
1885.	SPENCER, MOUNTFORD	Mess:
1897.	Spencer, Thomas Harris	Glob
1891.	SPENCER, WILLIAM	Chan
1885.	Spooner, George Percival	296 N.
1883. G 1886. M	SPOONER, Professor HENRY JOHN	Polyt 309
1896.	SPRING, FRANCIS JOSEPH EDWARD, C.I.E	Chair
1901.	Sprott, Robert Edmund	Bridg me che
1908.	Spurling, Oliver Cromwell	{West
1904.	Spurrier, Henry	Mana
1897.	STAGG, WILLIAM	Avon
1899.	STAMER, ARTHUR COWIE	{Chie
1905. 1901. A.M	STANFIELD, Professor RICHARD	Herio (Divl.
1908. M		RI
1888.	Stanley, Harry Frank	rin and Hi
1901.	STEAD, WILLIAM	Oakl
1897.	STEELE, JAMES	Worl Pic go
1901.	STEELE, ROBERT	14 G1

STEELE, WILLIAM RUSSELL ..

1901.

pollo St., Fort, Bombay. ., Govt. Canal Foundry and orkshops, Roorkee, U.P., Manager, Messrs. Fox Broers & Co., Wellington, Somerager, Cork St. Foundry and ngineering Works, Dublin. Square, George Glasgow. lectrify, Glasgow. 1500 Royal.] Cannon Son, encer, London.]
St., E.C. E.C. [George [George pencer, London.]
oun, Egypt: (or Turf Club,
viro, Egypt). St. Sacrament St., Montreal, ers. Luke & Spencer, Broadeath, Manchester; and The ill, Teignmouth. be Tube Works, Wednesbury. ubes, Wednesbury. 6504.]
mber Iron Works, Hollinwood, ar Manchester. Willesden Lane, Cricklewood, W. technic School of Engineering, 9 Regent St., W. rman, Harbour Trust Board, adras, India. gewater Collieries and Ellesere Estates, Walkden, Mantern Electric Co., Hawthorne, ., U.S. aging Director, Lancashire eam Motor Co., Leyland, eston. [Motor, Leyland. 7.] St. Gas Works, Bristol. Asst. Mech. Eng., N.E. ly., Darlington. ot-Watt College, Edinburgh. Loco. & Carr. Supt., G.W. ly., Swindon. srs. H. Pontifex & Sons, Faragdon Works, Shoe Lane, E.C.; d 3 Albert Mansions, Crouch ill, N. House, Audenshaw, Manchester. ks Manager, Messrs. R. Y. ckering & Co., Wishaw, Glasracechurch St., E.C. [Forenoon, London. Avenue 972. Messrs. Burn & Co., Howrah Iron

Works, Howrah, Bengal.

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Date	OI	Ell	ection
and a	F7	Tro.	nefor

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1901.	STENNING, HENRY ALEXANDER	{28 Victoria Street, Westminster, S.W.
1899. A.M.) 1904. M.)	STEPHENS, CHARLES ROBERT	Manager, Messrs. Stephens & Son, Ashfield, Falmouth. [Stephens, Falmouth. 10.]
1879. G.) 1879. M.)		33a The Broadway, Hammersmith, W. [Stephenson, Broadway, Hammersmith. Western 140.]
1888.	STEPHENSON-PEACH, WILLIAM JOHN	Kirkleatham, Great Malvern.
		Crown Iron Works, Glasgow
1876.	Sterne, Louis	[Crown, Glasgow.]; and Donington House, Norfolk St., W.C. [Elsterne, London. Gerrard 1989.]
1907. A.M.) 1910. M.)	STEVEN, JAMES DUNLOP	Messrs. E. G. Wrigley & Co., Soho, Birmingham. Managing Director, Uskside Iron
1898.	STEVENS, ARTHUR JAMES	Works, Newport, Mon. [Uskside, Newport, Mon. P.O. 29; Nat. 53.] (Former Member 1875–1886.)
1891.	STEVENS, JAMES	9 and 11 Fenchurch Avenue, E.C.
1902.	STEVENSON, CHARLES WILLIAM	Loco. Supt., Companhia Mogyana, Campinas, Brazil.
1887.	STEVENSON, DAVID ALAN, F.R.S.E	84 George St., Edinburgh.
1902.	STEVENSON, GRAHAM MORTON	6 High St., Cardiff. [Spica, Cardiff. 0719.]
1898.	STEVENSON, HEW	Messrs. Crompton & Co., Salisbury House, London Wall, E.C.
1906.	Stevenson, James John	Chief Eng., Messrs. Richard Thomas & Co., S. Wales Works, Llanelly.
1909.	STEWART, ALEXANDER ANDER-	34 Queen Street, Melbourne, Victoria.
1903.	STEWART, GEORGE	Retreat, Southbrae Drive, Jordan- hill, Glasgow.
1905.	STEWART, JAMES	Scottish Co-op. Wholesale Soc., Shieldhall, Glasgow; and 38 Kenmure Street, Pollokshields, Glasgow.
1904.	STILL, WILLIAM	150 Leadenhall St., E.C.
1906.	STIRK, GREENWOOD	Messrs. John Stirk & Sons Ltd.,
1905.	STIRLING, DAVID EDWARD	Ovenden Rd., Halifax. Highfield, Kenley, Surrey.
1880.	STIBLING, JAMES	Belmore, Ashford, Kent.
1885.	STIRLING, MATTHEW {	Loco. Supt., H.B. & W.R. Junction Rly. & Dock Co., Hull.
1898.	STIRLING, ROBERT {	2A Puente de Alvarado 53, Mexico City, Mexico.
1898.	STOBIE, GEORGE	Govt.Rlys., Pietermaritzburg, Natal.
1901.	STOCKER, Eng. Lieut. PERCY, SR.N.	H.M.S. "Bonaventure," c/o Post- master General, E.C.
1898. A.M.)		
1907. M.	STOCKTON, CECIL	91 Truro Rd., Wood Green, N.
1893. A.M.) 1897. M.)	STOCKTON, JOSEPH SADLER	Managing Director, Carbrook Steel Works, Sheffield; and Beech House, Whiteley Woods, Shef- field.

Date	of	Election
and	of '	Transfer.

1910.	STOKVIS, HUGO	Messrs. R. S. Stokvis & Zonen, 78 Leuvehaven, Rotterdam, Holland.
1894. A.M.)	STONE, SIDNEY	75 Finsbury Pavement, E.C.
1897. M.	STORE, SIDREI	(Messrs. James B. Petter and Sons,
1908.	STOREY, JOHN EDWARD	Yeovil.
1904. A.M.) 1908. M.	STORIE, GEORGE BRIGHT	Fernlea, Broadley, Rochdale.
1901.	STORMONT, PETER CAMPBELL	125 Hamilton Place, Aberdeen.
1906.	STOWE, GEORGE SULLY	P.O. Box 5465, Johannesburg, Transvaal.
1888.	STRAKER, SIDNEY	Messrs. Sidney Straker & Squire, Nelson Square, Blackfriars, S.E. [Rhomboidal, London. 369 and 370 Hop.]
1901. A.M.) 1907. M.)	STRATHERN, ALEXANDER GEORGE	Strathern's Weldless Chains, Gart- sherrie, N.B.
1904.	STRATTON, JOHN	Supt. Eng., Messrs. W. T. Glover & Co., Trafford Park, Manchester.
1897.	STRICKLAND, FREDERIC	Derwent Mount, Malton.
1895.	(STROMEYER, JOHANN PHILIPP EDMOND CHARLES	M.S.U. Assocn., 9 Mount St., Man- chester.
1910.	STRONG, ERNEST SIDNEY	sc/o Loco. Supt., N.W. Rly., Lahore,
	(STUBBS, JOSEPH HETHERING-	Mill St. Works, Ancoats, Man-
1899.	TON	{ chester. [Winding, Manchester.]
1882.	SUGDEN, THOMAS	180 Fleet St., E.C. [Holborn 186.] (Supt., Metrop. Asylums Board River
1909.	SULLIVAN, CLEMENT ERNEST	Service, South Wharf, Rother-hithe, S.E.
1890.	SULZER, JACOB	Messrs. Sulzer Brothers, Winter- thur, Switzerland.
1906.	SUNNER, JOHN HARLEY	Telegraph St., Singapore, Straits Settlements.
1899.	SURTEES, HENRY WARDALE	Parker Foundry Co., Derby.
1908.	SURTEES, RICHARD THOMAS	Water Eng., Water Works, Haw-
1883.	SUTTON, JOSEPH WALKER	thorn Bank, Newton-le-Willows. 36 Bedford St., Strand, W.C.
1905. A.M.	SUTTON, MARK	872 Rua Barão de Mesquita, Andarahy Grande, Rio de
1909. M.	SUTION, MARK	Janeiro, Brazil.
1907.	Swan, Andrew Don	Resident Eng., New Harbour Works, Montreal, Canada.
1884.	SWAN, Sir JOSEPH WILSON, F.R.S	57 Holborn Viaduct, E.C.; and Overhill, Warlingham, Surrey.
1906.	Swanson, John Hunter	Messrs. Howarth Erskine, Bang- kok, Siam.
1898.	SWASEY, AMBROSE	Messrs. Warner & Swasey, Cleveland, Ohio, U.S.
1903.	SWIFT, JOHN CRANE	Messrs. Thompson Brothers, 155 Fenchurch St., E.C.
1897.	SWINBURNE, GEORGE	99 Queen St., Melbourne, Victoria.
1898.	SWINBURNE, JAMES	(82 Victoria St., Westminster, S.W. [Westminster 292.]
1882.	SWINBURNE, MARE WILLIAM	Wallsend Brass Works, Newcastle- on-Tyne; and The Cottage, Jes- mond Park East, Newcastle-on- Tyne. [Bronze, Wallsend.]

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Date of	Election
and of	Transfer.

		(Managar Malhauma Hadraulia
1901.	SWINBURNE, WILLIAM	Manager, Melbourne Hydraulic Power Co., 99 Queen St., Mel- bourne, Victoria.
1910.	(SWINTON, ALAN ARCHIBALD)	66 Victoria St., Westminster, S.W.
1905.	SYKES, JOSEPH CHARLES	W. R. Sykes Interlocking Signal Co., Station Rd., Clapham, S.W.
1905. A.M.) 1908. M.)	Symons, Diogo Andrew	39 Victoria St., Westminster, S.W.
,		
1900.	TAGGART, WILLIAM SCOTT	Lieutenants, Smithills, Bolton. (New Taite Howard Pneumatic Tool
1878.	Taite, John Charles	Co., 63 Queen Victoria St., E.C. [6925 Central.]
1893. A.M.) 1908. M.)	Takatsuji, Narazo	Kanegafuchi Cotton Spinning Co., Hiogo, Japan.
1895. A.M.	TAKIMUBA, TAKEO	Genl. Manager, Osaka Cotton Mill,
1907. M. s	Talbot, Benjamin	Osaka, Japan. County Bank Chbrs., Middles-
1910.	TALBOT, ERNEST EDWARD	brough. District Loco. Supt., Midland Rly.,
1875.	AUSTIN	Kentish Town, N.W. (Cornwall Works, Soho, Birming-
1889. G.)	TANGYE, GEORGE	ham. [Tangyes, Birmingham.] (Cornwall Works, Soho, Birming-
1894. M.	TANGYE, HAROLD LINCOLN	ham. (Cornwall Works, Soho, Birming-
1861.	TANGYE, JAMES	ham; and Aviary Cottage, Illogan, Redruth.
1885. G.) 1901. M.	TANGYE, JOHN HENRY	Cornwall Works, Soho, Birming-
1895.	TANNETT, JOHN CROYSDALE	Messrs. Fullerton, Hodgart & Bar- clay, Vulcan Works, Paisley.
	(TANNETT - WALKER,	Goodman Street Works, Hunslet,
1891.	ARTHUR TANNETT (Vice-) President)	Leeds. [Tannett-Walker, Leeds.]
1879.	TARTT, WILLIAM	Maythorn, South Godstone, Surrey.  Brook Vale, Erdington, Birming-
1876. 1874. G.)	Taunton, Richard Hobbs	ham. (71 Edith Rd., West Kensington,
1883. M.		W.
1900.	(Taylor, Eng. Commander) (Charles Gerald, R.N)	Royal Naval College, Dartmouth.
1898. G.) 1900. A.M.)	TAYLOR, CHARLES PERCY	Park House, Gravesend.
1907. M.) 1898. A.M.)	77	1171 J C4 T J 1171 J
1902. M.)	TAYLOR, EDWARD TAYLOR, EDWARD BROUGH	Windsor Steam Laundry, Windsor. Caxton House, Westminster, S.W.
1884. G.) 1899. M.)	TAYLOR, JOSEPH	§8 Alma Rd., Heaton Moor, Stock-
,	,	Derwent Foundry, 60 and 62
1875.	TAYLOR, JOSEPH SAMUEL	Constitution Hill, Birmingham. [Derwent, Birmingham.]
1907.	TAYLOB, NEWMAN	Messrs. Macbeth Brothers & Co., Bombay.

1893.	TAYLOR, ROBERT, Jun	Works Manager, Messrs. Asa Lees
		& Co., Soho Iron Works, Oldham. (Stanton Villa, 230 Lewisham High
1882.	TAYLOR, ROBERT HENRY	Rd., St. John's, S.E.
1894. A.M.) 1901. M.)	TAYLOR, WILLIAM	Stoughton St. Works, Leicester. [Lenses, Leicester. 134.]
1501. 11.)		Midland Engineering and Foundry
1901.	TAYLOR, WILLIAM	Works, Sandiacre, Notting-
		ham. [Taylor Bros., Sandiacre. 1635.]
1902. A.M.)	Times Welling	Navestock Side, Oxford Rd., Bootle,
1904. M.	TAYLOR, WILLIAM	Liverpool.
1896.	TAYLOR, WILLIAM ISAAC	[70 Fenchurch St., E.C. [Forging- ton, London. City 4952.]
1909.	TEAROE, JAMES	Queensland Government, 409
2000.	IEAROE, GARES	Strand, W.C. (Freemantle Chambers, South-
1895.	TEBBUTT, SIDNEY	Freemantle Chambers, South- ampton.
1904.	TEMPLER, HENRY LETHBRIDGE	Ferreira G. M. Co., Box 1021,
	Lange Many admitted and the property of the	Johannesburg, Transvaal. (111 Hatton Garden, E.C. [Care
1899. A.M.)	TENNANT, WILLIAM JOHN	Boult, London. Holborn 180.
1906. M.		Brixton 823.]
1882. 1899. A.M.)	TERBY, STEPHEN HARDING	Upcott, Seaton, Devon. §P.O. Box 149, Johannesburg,
1910. M.	TESTER, WILLIAM ANDREWS	Transvaal.
1891.	TETLOW, ERNEST	Bottoms Iron Works, Hollinwood,
1000		Manchester. (Messrs. Vickers, Sons and Maxim,
1899.	THACKERAY, THOMAS	Barrow-in-Furness.
1877. 1901. A.M.)	THOM, WILLIAM	Canal Foundry, Blackburn. (Church St. Chbrs., Pontypridd.
1910. M.	THOMAS, ARTHUR LLOYD	[P. O. 73.]
1904.	THOMAS, FRED WHITTAKER	Chief Eng., Messrs. John Crossley &
1900. A.M.)		\ Sons, Halifax. \((Messrs. Vickers, Sons and Maxim.)
1904. M.	Ivor	Sheffield.
1867.	THOMAS, JOSEPH LEE	2 Hanover Terrace, Ladbroke Sq.,
		Notting Hill, W. (G.W. Rly. Works, Swindon; and
1897.	THOMAS, LEWIS RICHARD	Highmead, 149 Cromwell Rd.,
1906.	THOMAS, RICHARD BEAUMONT	Bristol. South Wales Works, Llanelly.
1902. A.M.)		3 Lombard St., E.C.
1910. M.		
1907. A.M.) 1910. M.)	THOMPSON, ERNEST ROUT-	Yokohama Dock Co., Yokohama, Japan.
		Chief Eng., Messrs. Harrods,
1900.	THOMPSON, GEORGE WILLIAM	Brompton Rd., S.W.; and 8 West Kensington Mansions,
		West Kensington, W.
1903.	THOMPSON, JOHN HANNAY,	
	F.R.S.E	(Claremont, 22 Greenmore Rd.,
1900.	THOMPSON, JOHN ROBERT	Knowle, Bristol,
1883. 1902. A.M.)	THOMPSON, RICHARD CHARLES	Bridge Dockyard, Sunderland.
1910. M.	THOMPSON, STEPHEN JOHN	Ettingshall Boiler Works, Wolver- hampton.
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1887.	THOMPSON, WILLIAM PHILLIPS	6 Lord St., Liverpool. [Patent, Liverpool. 1605.]
1900.	THOMSON, GEORGE	Natal Govt. Harbour Works, Port Natal, S. Africa.
1904.	Thomson, George	11 Randolph Place, Edinburgh. [03124 Central.]
1868.	THOMSON, JOHN	3 Crown Terrace, Dowanhill, Glasgow.
1909.	THOMSON, WILLIAM	Brook House, Water Lane, Brislington, Bristol.
1893.	THORNBERY, WILLIAM HENRY	[32 Paradise St., Birmingham. [Thornbery, Birmingham. 1989.] [Former Member, 1880–1887.]
1868.	THORNEWILL, ROBERT	Burton Iron Works, Burton-on- Trent.
1885.	THORNLEY, GEORGE	Waterloo Engineering Works, Burton-on-Trent.
1908.	THORNTON, CHARLES JAMES	Government Railway, Kingston, Jamaica.
1877.	THORNTON, FREDERIC WILLIAM	Hydraulic Eng. Co., Chester.
1882.	THORNTON, HAWTHORN ROBERT	P.O. Box 70, Uitenhage, Cape
	· ·	Colony.  Messrs. John I. Thornycroft & Co.,
1876.	THORNYCROFT, Sir JOHN ISAAC, LL.D., F.R.S	Church Wharf, Chiswick, W. [Thornycroft, London. 6 Ham-
	( 111.1., 1.11	mersmith.]; and Eyot Villa, Chiswick Mall, Chiswick, W.
1895. A.M. 1902. M.	THRELFALL, GEORGE	Savage Club, 6 Adelphi Terrace, Strand, W.C.
1898. A.M. 1902. M.	TICEHURST, HUGH GORHAM	Thames Ammunition Works, Erith, S.O., Kent; and Telham, Freta Rd., Bexley Heath, Kent.
		(Managing Director, Société anon-
1885.	TIMMERMANS, FRANÇOIS	yme des Ateliers de la Meuse,
-	,	Liége, Belgium. [Société Meuse, Liége.]
1890.	TITLEY, ARTHUR	Beechwood, Hartopp Rd., Four Oaks, Sutton Coldfield, Birmingham.
1893. A.M. 1911. M.		Deputy Loco. Supt., E. I. Rly., Jamalpur, India.
1908. A.M.		(Rand Water Board, Box 1703,
1910. M.	.) R.N.R	Johannesburg, Transvaal.
1875.	TOMKINS, WILLIAM STEELE	Broughton House, near Stock- bridge, Hants.
1908.	TOMPKINS, Eng. Commander ALBERT EDWARD, R.N	H.M.S. "Hyacinth," c/o Post- master General, E.C.
		Works Manager, Wicks Rotary
1900. A.M. 1905. M.	Tottle, Edward George	Works Manager, Wicks Rotary Type Casting Co., Willesden Junction, N.W. [Enargite,
		London. Harlesden 15.]; and 76 Croham Rd., South Croydon.
1894.	Touche, John Edward	62 London Wall, E.C. [9691 London Wall.]
1889.	Towler, Alfred	Messrs. Hathorn Davey & Co., Sun Foundry, Leeds.
1896. A.M.		Lea House, Gravelly Hill, Bir-
1906. M	, THATFORD, AMPRED	( mingham.

-		(Marine Cent Venttle Drives Tine
		Marine Supt., Knott's Prince Line of Steamers, Newcastle-on-Tyne;
1890.	TRAIL, JOHN	and 21 Grosvenor Place, New- castle-on-Tyne.
1901.	TRAVERS, ERNEST JAMES	Britannia Works, Belfast.
1888.	Travis, Henry	Suptg. Eng. and Constructor of Shipping to the War Dept., Royal Dockyard, Woolwich.
1889. G.)	TREHARNE, GWILYM ALEX-	Station St., Aberdare. [Treharne,
1893. M.5 1883.	TRENTHAM, WILLIAM HENRY	Aberdare. 18.] 39 Victoria St., Westminster, S.W.
1909.	TRESIZE, WALTER KENDALL	Manager, Yokohama Engine and Ironworks Co., Yokohama, Japan. Via Siberia.
1887.	TRIER, FRANK	Caxton House, Westminster, S.W. [Viscosity, London. 900 Victoria.]
1896.	TROTTER, ALEXANDER PELHAM	Board of Trade, 8 Richmond Ter- race, Whitehall, S.W.
1906.	TROWELL, WILLIAM JOHN	Inspector, Marine Surveys, Singapore, Straits Settlements.
1899. A.M.) 1907. M.)	TRUNCHION, WILLIAM THOMAS FAWDON	Messrs. Grafton & Co., Vulcan Works, Bedford.
1907.	TSURUMI, Professor Shoshiro	Osaka Higher Technical School, Osaka, Japan.
1910.	TULIP, SAMUEL	Lambton Collieries, Bunker Hill, Fence Houses.
1901.	TULLIS, DAVID KIEL	Kilbowie Iron Works, near Glasgow. [Tullis, Clydebank.]
1909.	TUBLEY, THOMAS	Earl of Dudley's Castle Mill Engineering Works, Tipton.
1887.	TURNBULL, ALEXANDER	St. Mungo Works, Bishopbriggs, Glasgow. [Valve, Glasgow. Royal 4394.]
1904.	TURNBULL, WILLIAM LAWRIE	Canal Basin Foundry, Dobbie's Loan, Glasgow. [Turbine, Glasgow. 3032 Royal.]
1894.	TURNER, ALBERT	Whitehouse Machine Works, Denton, Manchester. [Machines, Denton. 205.]
1897.	TURNER, ALFRED	Works Manager, Messrs. George Jones, Lionel St., Birmingham.
1866.	TURNER, FREDERICK	St. Peter's Iron Works, Ipswich. [Gippeswyk, Ipswich.]
1876.	Turney, Sir John	Trent Bridge Leather Works, Nottingham. [Turney, Nottingham.]
1902. A.M.) 1907. M.)	TURPIN, WILLIAM ALFRED	Works Manager, Messrs. Panhard and Levassor, Acton Vale, W.
1899.	TURTON, WILLIAM HENRY	220 Burrage Rd., Plumstead.
1909.	Tweedale, James	Works Manager, Messrs. Thomas Robinson & Son, Railway Works, Rochdale.
1906. A.M.) 1907. M.)	Tweedy, Alfred Carlyon	Asst. Loco. Supt., Assam-Bengal Rly., Chittagong, Bengal, India.
1897.	TWELVETREES, WALTER NOBLE	(195 Bedford Hill, Balham, S.W. [1221 Battersea.]
1906.	TWENTYMAN, HAROLD EDWARD	Messrs. Henry Rogers, Sons & Co., Wolverhampton.
1902.	Twinberrow, James Denis	15 Regent Terrace, Gateshead.

1903.	Ullmann, William Charles	Eng., Electric Lighting and Tram- ways Dept., Nelson St., East Ham, E.; and 20 Forest Drive, Manor Park, E.
1896. <i>I</i> 1900.	M.) UMNEY, HERBERT WILLIAMS	1 Mowbray Rd., Norwood, S.E.
1909.	(Underhill, Reginald Stan-	Murree, Rawal Pindi, Punjab, India.
1899.	Unsworth, Herbert George	The Cliff, Railway Avenue, Colombo, Ceylon.
1904.	Unsworth, Robert Harry	Works Manager, Messrs. Ran- somes and Rapier, Ipswich; and Dalton House, Dalton Road, Ipswich.
1909.	UNWIN, Professor WILLIAM CAWTHORNE, LL.D., F.R.S. (Member of Council)	Palace Gate Mansions, 29 Palace Gate, Kensington, W. [Former Member, 1878–1895.]
1898.	URIE, ROBERT WALLACE	Mechanical Dept., L. & S.W. Rly., Eastleigh, Hants.
1899.	URIE, WILLIAM MONTGOMERIE	Works Manager, Caledonian Rly., St. Rollox, Glasgow.
1901. A	A.M. URMSTON, PETER	Danelova Manufactur, Moscow, Russia.
1908.	URQUHART, LESLIE	Managing Director, Kyshtim Min- ing and Metallurgical Works
1898.	URWICK, ARTHUR JOHN	(Urals), 5 Fenchurch St., E.C. Nevile Engineering Co., Worcester.
1904.	Vaughan, Henry Hogue	Supt. of Motive Power, C.P. Rly., Montreal, Canada.
1904. 1901.	Vaughan, Henry Hogue  Vaughan, John Alfred	Montreal, Canada. Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal.
		Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man-
1901.	Vaughan, John Alfred	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Manchester. 5106.] (Farleigh, 18 Trinity Rd., Bootle,
1901. 1885.	Vaughan, John Alfred  Vaughan, William Henry	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] (Farleigh, 18 Trinity Rd., Bootle, Liverpool.  H.M.S. "Aboukir," c/o Postmaster General, E.C.
1901. 1885. 1897.	Vaughan, John Alfred  Vaughan, William Henry  Vaux, Walter  Veen, Eng. Commindr. Vernon Alfred Alexander ter,	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] Farleigh, 18 Trinity Rd., Bootle, Liverpool. H.M.S. "Aboukir," c/o Postmaster General, E.C. (Ellingham, Woodford Rd., South
1901. 1885. 1897. 1900.	Vaughan, John Alfred  Vaughan, William Henry  Vaux, Walter  (Veen, Eng. Commndr. Vernon Alfred Alexander ter, R.N	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] Farleigh, 18 Trinity Rd., Bootle, Liverpool. H.M.S. "Aboukir," c/o Postmaster General, E.C. (Ellingham, Woodford Rd., South Woodford, N.E. Messrs. Alfred Herbert, Coventry. (c/o L. G. Mouchel, 38 Victoria St., Westminster, S.W.
1901. 1885. 1897. 1900. 1899. 1902. 1889.	Vaughan, John Alfred  Vaughan, William Henry  Vaux, Walter  (Veen, Eng. Commndr. Vernon Alfred Alexander ter, R.N  Vernon, Charles Edward  Vernon, Percy Venables  G. Vesian, John Stuart Ellis	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] Farleigh, 18 Trinity Rd., Bootle, Liverpool. H.M.S. "Aboukir," c/o Postmaster General, E.C. (Ellingham, Woodford Rd., South Woodford, N.E. Messrs. Alfred Herbert, Coventry. (c/o L. G. Mouchel, 38 Victoria St., Westminster, S.W. (U.P. Agricultural Engr., Nawab-
1901. 1885. 1897. 1900. 1899. 1902. 1889. 1890.	Vaughan, John Alfred  Vaughan, William Henry  Vaux, Walter  (Veen, Eng. Commndr. Veenon Alfred Alexander Ter, R.N  Vernon, Charles Edward  Vernon, Percy Venables  G. Vesian, John Stuart Ellis M. de  Vick, Frank Howard  Vickers, Albert	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] Farleigh, 18 Trinity Rd., Bootle, Liverpool. H.M.S. "Aboukir," c/o Postmaster General, E.C. (Ellingham, Woodford Rd., South Woodford, N.E. Messrs. Alfred Herbert, Coventry. (c/o L. G. Mouchel, 38 Victoria St., Westminster, S.W.
1901. 1885. 1897. 1900. 1899. 1902. 1889. 1890. 1910.	Vaughan, John Alfred  Vaux, Walter  Veen, Eng. Commndr. Vernon Alfred Alexander ter, R.N  Vernon, Charles Edward  Vernon, Percy Venables G. Vesian, John Stuart Ellis M. De  Vick, Frank Howard	Montreal, Canada. (Chief Insptr. of Machinery, P.O. Box 1132, Johannesburg, Transvaal. Royal Iron Works, West Gorton, Manchester. [Vaunting, Man- chester. 5106.] (Farleigh, 18 Trinity Rd., Bootle, Liverpool. H.M.S. "Aboukir," c/o Postmaster General, E.C. (Ellingham, Woodford Rd., South Woodford, N.E. Messrs. Alfred Herbert, Coventry. (c/o L. G. Mouchel, 38 Victoria St., Westminster, S.W. (U.P. Agricultural Engr., Nawab- ganj, Cawnpore, U.P., India.

Date	e of	Ele	ctio	n
and	of ]	Fran	asfe	r.

1906.	WADE, WILLIAM REGINALD	The Mount, Henbury, Macclesfield.
1001	(WADIA, NUSSERWANJEE	Messrs. Nowrosjee Wadia & Sons, Bombay; and Bella Vista, Cum-
1901.	Nowrosjee	balla Hill, Bombay.
1903.	WAIGHT, JOHN	53 Kingswood Rd., Wimbledon,
2000.	112221,00221	S.W. (Messrs, George Wailes & Co., 258
1907.	Wailes, Reginald Percy	Euston Rd., N.W.
1902.	Wainford, Richard Hanbury	Messrs. Hartley, Causton & Co.,
		Stoke-on-Trent. Princes St., Westminster, S.W.
1898.	WAINWRIGHT, JOHN WILLIAM	( [3617 Victoria.]
1988.	WAISTER, WILLIAM HENRY	Loco. and Carr. Running Dept.,
*****	W W W	G.W. Rly., Swindon. Eng. to the River Wear Com-
1881.	WAKE, HENRY HAY	mission, Sunderland.
1882.	WAKEFIELD, WILLIAM	123 Rathgar Rd., Dublin.
1898.	WALKE, CHARLES NICHOLAS EVES	Messrs. Tothill Sharp & Co., Tama- rind Lane, Fort, Bombay.
1000	•	Ldn. and Hamburg Gold Recovery
1890.	WALKEDEN, GEORGE HENRY	Co., Brown Hill, W. Australia. Pagefield Iron Works, Wigan.
1902.	WALKER, EDWIN ROBERT	Pagefield Iron Works, Wigan.
		[Pagefield, Wigan. 14.] [Genl. Manager, St. James' and Pall
1000	W T T	Mall Electric Light Co., Carnaby
1898.	WALKER, FREDERIC JAMES	St., Golden Sq., W. [Licensable,
1000	W W	[ London. Gerrard 5082.]
1890.	WALKER, HENRY	9 Gladstone Terrace, Gateshead. (Messrs. R. Waygood & Co., Fal-
1894.	WALKER, HENRY CLAUDE	mouth Rd., Great Dover St., S.E.
		[Waygood, London. Hop 760.]
1000	W H E	Chief Mech. Eng., Buenos Aires
1909.	WALKER, HENRY EDWARD	G.S. Railway, Casilla 109, Buenos Aires, Arg. Rep.
1000	Witness Times	Messrs. J. G. White & Co., 9 Cloak
1909.	WALKER, JAMES	Lane, Cannon Street, E.C.
1875.	WALKER, JOHN SCARISBRICK	Pagefield Iron Works, Wigan; and
1010.	WALKER, JOHN SCARISBRICK	15 Park Crescent, Southport. [Pagefield, Wigan. 14.]
1909.	WALKER, JOSEPH GRIFFIN	Chief Engineer, Messrs. Walker
1000.	Tradition, Committee Children	Brothers, Walsall.
1902.	WALKER, PERCY	Works Manager, Messrs. Callender's Cable and Construction Co.,
2002,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Belvedere, S.O., Kent.
1901. A.M.\		Messrs. Whittaker Hall & Co.,
1907. M.	WALKER, ROBERT	Black Lane Engineering Works, Radcliffe, Manchester.
1876.	WALKER, THOMAS FERDINAND	58 Oxford St., Birmingham.
1890.	WALKER, WILLIAM GEORGE	Emery Hill St., Ashley Gdns.,
		Westminster, S.W. (Fox Hollies Hall, near Birming-
1878.	WALKER, ZACCHEUS, Jun	ham.
1897.	WALL, CHARLES HENRY	27 Curzon Chbrs., Paradise St.,
		Birmingham.   Venesta Ltd., 242 West Ferry Rd.,
1902.	Wallace, John Crawford	Millwall, E.
1884.	WALLAU, FREDERICK PETER	Supt. Eng., Union-Castle Mail
		Steamship Co., Southampton.

1911.

Date of Election and of Transfer.		
1901. A.M.) 1904. M.)	WALLER, WILLIAM	{28 to 32 Vauxhall Walk, S.E. [Stampings, London. Hop 1423.]
1904.	WALLIS, GEORGE PEARSON	Mount Royal, Horsforth, Leeds.
1868.	Wallis, Herbert	{289 Drummond St., Montreal, Canada.
1893.	Wallwork, Roughsedge	Union Bridge Iron Works, Charter St., Manchester.
1891.	Walmsley, John	Genl. Manager, Messrs. J. and P. Coats, Ferguslie Thread Works, Paisley.
1865.	Walpole, Thomas	Windsor Lodge, Monkstown, Co. Dublin.
1905.	Walton, George Laird	Supt. Eng., Marine Dept., Lagos, W. Africa.
1881.	WARBURTON, JOHN SEATON	19 Stanwick Rd., W. Kensington, W.
1901.	Ward, John	Woodlands, Tatsfield, Westerham, S.O., Kent.
1864.	WARDEN, WALTER EVERS	Phœnix Bolt and Nut Works, Handsworth, R.O., Birmingham. [Bolts, Birmingham.]
1900. A.M.) 1906. M.)	WARDEN-STEVENS, FREDERIC	34 Victoria St., Westminster, S.W.
1882.	WARDLE, EDWIN	Boyne Engine Works, Hunslet,
		Leeds. [Manning, Leeds.] (Messrs. Edgar Allen & Co., Imperial
1904.	WARLOW, FREDERICK ARTHUR	Steel Works, Sheffield. [Allen, Sheffield.]
1886. G.) 1891. M.)	WARREN, FRANK LLEWELLYN	[120 Fenchurch St., E.C. [Vibroscope, London. 9423 Central.]
1899.	WARREN, FREDERICK FRID- LEZIUS	Managing Director, Messrs. Ross & Walpole, North Wall Iron Works, Dublin. [Iron, Dublin. 311.]
1907.	WARREN, JAMES GRAEME	Messrs. Robert Stephenson & Co.,
	HEPBURN	Darlington. (Manager, Thames Engineering
1901.	WARRINER, ROBERT	Works, Greenwich, S.E.
1900. 1881.	WATCHURST, CHARLES LEESE WATKINS, ALFRED	66 Boyne Road, Lewisham, S.E. 58 Fenchurch St., E.C.
1902. {	Watkinson, Frederick George	Chief Eng., Messrs. Thomas De La Rue & Co., 110 Bunhill Row, E.C.
1890. {	WATKINSON, Professor WILLIAM HENRY	Walker Engineering Laboratories, The University, Liverpool.
1900.	Watney, Thomas Savile	32-34 Greek Street Chbrs., Park Row, Leeds. [Energy, Leeds. 2229.]
1905.	WATSON, FRANK LESLIE	Atlas Works, Pershore.
1893. A.M.) 1900. M.	Watson, George	(39 Victoria St., Westminster, S.W. [Meterage, London.]
1900.	Watson, George	Horsfall Destructor Co., Atlas
		Works, Pershore. Manganese Bronze and Brass Co.,
1890.	Watson, George Coghlan	St. George's Wharf, Deptford,
	The state of the s	S.E.; and 3 Ashburton Rd., Croydon.
*****	W W	High Bridge Works, Newcastle-on-
1882.	Watson, Henry Burnett	Tyne. [Watsons, Newcastle-on- Tyne. 6517.]

and of Transier.		
1896.	Watson, James Falshaw	Sun Buildings, Park Row, Leeds. [Inspection, Leeds.]
1903.	Watson, John	Chief Eng., Pearson and Knowles Coal and Iron Co., Warrington.
1897.	Watson, John B	[150 Scalpeliffe Rd., Burton-on- Trent. [403.]
1897.	Watson, Thomas John	32 Grainger St. West, Newcastle- on-Tyne.
1902.	WATSON, WILLIAM CUMMINGS	Messrs. R. and W. Hawthorn, Leslie & Co., Forth Banks Works, New- castle-on-Tyne.
1904.	WATT, ADAM	Edinburgh Life Bldg., Mosley St., Newcastle-on-Tyne.
1877.	WATTS, JOHN	43 Broad St., Bristol.
1902.	WATTS, Sir PHILIP, K.C.B.,	Director of Naval Construction,
1904. A.M.)	WATTS, WILLIAM JOHN	Admiralty, Whitehall, S.W. (Messrs. Thomas Broadbent & Sons,
1909. M.	THOMAS	Central Ironworks, Huddersfield.
1902.	Way, Edward John	c/o Messrs. Farrar Brothers, 4 London Wall Bldgs., E.C.
1897. A.M.) 1907. M.)	WAYNFORTH, HARRY MORTON	Assistant Professor of Engineering, King's College, Strand, W.C.
1897.	Wearing, John Evenden	Swan Bldgs., Edmund St., Birming- ham.
1886.	Weatherburn, Robert	Ashton Lodge, Petitor Road, St.  Mary Church, Torquay.
1901. A.M.) 1909. M.)	Weaver, Henry James	Northgate Mansions, Gloucester.
1884.	WEBB, RICHARD GEORGE	(c/o Mercantile Bank of India, 40 Threadneedle St., E.C.
1901.	Webb, Thomas Henry	Rocklands, Glenhirst Rd., Nab Wood, Shipley, Yorks.
1910.	WEBB, WILFRED LE PLAS-	Chief Engineer, Messrs. Crossley Brothers, Openshaw, Manchester.
1901. 1890.	WEBSTER, FRANCIS JOHN WEBSTER, JOHN JAMES	Loco. Dept., G.N. Rly., Doncaster. 39 Victoria St., Westminster, S.W.
1887.	WEBSTER, WILLIAM	Gresham House, Battery Rd.,
1908.	WEDEKIND, WERNER CLAUDE	Singapore, Straits Settlements. 110 Fenchurch St., E.C.
1908.	WEDGE, FRANCIS HUMPHREY	Messrs. Mallett & Co., The Foundry, East London, Cape Colony.
1891.	WEIGHTMAN, WALTER JAMES	Messrs. H. S. King & Co., 9 Pall
1906.	Weir, William	Mall, S.W.
1898.	Wells, George James	Holm Foundry, Cathcart, Glasgow. Pearmount House, Dumfries.
1895. A.M.) 1897. M.)	WEST, CHARLES HERBERT	[5 Castle St., Liverpool. [Referee, Liverpool. Central 5223.]
1898.	WEST, ERNEST HENRY	82 Belvedere Road, S.E. [Veri- kold, London. Hop 3687.]
1894.	West, John	Albion Iron Works, Miles Platting, Manchester.
1891.	West, Leonard	Ravenhead Plate Glass Works,
	,	St. Helens, Lanes.
1877.	WESTERN, CHARLES ROBERT	Broadway Chbrs., Westminster, S.W. [Donbowes, London. West-
1877.	WESTERN, MAXIMILIAN RICHARD (Life Member)	73 Iverna Court, Kensington High St., W.

		(Managing Director, Messrs. Rich-
1902. WESTGAR	тн, Том	ardsons, Westgarth & Co., Mid-
		dlesbrough. [Westgarth, Mid-dlesbrough. 202.]
1903. A.M.) W	C D	, ,
1909. M.) WESTLEY,	CHARLES BARNARD	The Limes, Downend, Bristol.
1890.	OTT, HENRY ARM-	Benridge Hall, Ponteland, New-
STRONG		castle-on-Tyne.
	ACOTT, PERCY GRA- UCHANAN (Past-Presi-	Sir W. G. Armstrong, Whitworth & Co., Newcastle-on-Tyne; and
dent)	·· ·· ·· ·· ··	Rose Mount, Sunninghill, Ascot.
1880. WESTMOR		University College, Nottingham.
WILLIA	m Hudson	•
1903. WESTON,	THOMAS WILSON	Messrs. Joseph Watson & Sons,
1902. A.M.)		Whitehall Soap Works, Leeds. (Messrs. H. Morris & Bastert,
1902. A.M. 1908. M. WESTON,	WILLIAM NEWTON	Empress Works, Loughborough.
	JAMES EDWARDES	Pilgrim House, Newcastle - on -
TOOO.	OAMES EDWARDES	Tyne.
		Genl. Manager, Oldbury Railway- Carriage and Wagon Works, Old-
1896. WHEELER	, Percy	bury, Birmingham. [Carriage
		Co., Oldbury,
		Resident Loco. Supt., Somerset &
1898. WHITAKE	R, ALFRED	Dorset Joint Rly., Highbridge,
1894. WHITBY,	ARTHUR GEORGE	R.S.O., Somersetshire. Elville, The Park, Cheltenham.
	ARTHUR GEORGE	City Engineer, Hull.
	LERED FRANCIS	128 Victoria St., Westminster, S.W.
		[Tokyoite, London. 1555 Victoria.]
1908. A.M.) WHITE, 1908. M.) NORMAI	HENRY GEORGE	1 The Mall, Lucknow, India.
		(3 Victoria Street, Westminster,
1901. WHITE, F	OBERT	S.W.
(WHITE.	Sir William Henry,	Late Assistant Controller of the
	LL.D., D.Sc., F.R.S.	Navy and Director of Naval Con- struction; Cedarcroft, Bristol
(Past-P	resident)	Gardens, Putney Heath, S.W.
1000 W	Annum	Edale, Boveney Rd., Honor Oak
	AD, ARTHUR	Park, S.E.
	AD, HAROLD FRED-	6 Napier Rd., Heaton Moor, Stock-
	CROSSLEY	Resident Eng. and Manager, Coven-
1902. WHITEHE	AD, THOMAS ROSS	try Electric Tramways, Coventry.
1900. WHITMOR	e, Frank Leonard	Messrs. Fraser & Chalmers, Erith,
	· .	S.O., Kent.
1902. WHITTAKE WILLIA		40 Sunbridge Rd., Bradford.
`		(Surveyor, Lloyd's Register, 15 Bank
1897. WHITTELI	L, ALFRED LEIGHTON	St., Fort, Bombay.
1903. Wicks, G	ERALD HAMILTON	Nuevas Casas Grandes, E. de
		Chihuahua, Mexico. Regent's Park,
1878. Wicks, H	ENRY	N.W.
1897. Wickster	ED, CHARLES	Stamford Rd. Works, Kettering.
1868. G.) WICKST	EED, JOSEPH HART-	Messrs. Joshua Buckton & Co.,
	st-President)	Well House Foundry, Meadow Rd., Leeds.
		( 20000)

		(Britannia Works, Ordsal Lane, Sal-
1897.	WIDDOWSON, JOHN HENRY	ford, Manchester; and 25 With-
	WIDDOWSON, JOHN HERRI	ington Rd., Whalley Range,
		Manchester. [Taps, Salford.]
1906.	WILBY, FRANK BURDETT	River Plate Fresh Meat Co., Cecil
1895. A.M.)		House, Holborn Viaduct, E.C. 60 W. S. Laycock, Victoria St.
1906, M.	WILD, ADAMSON GEORGE	Works, Sheffield.
.,		3 Wilson St., Drury Lane, W.C.
1903. A.M.) 1907. M.	WILDING, JAMES ARMSTRONG	{ [Effacing, London. 4633 Ger-
,		rard.]
1890.	WILDY, WILLIAM LAWRENCE	19 Ribblesdale Rd., Hornsey, N.
1000	***	(Supt. Eng., Messrs. Elder Dempster
1909.	WILKIE, JAMES BOWYER	& Co., Mersey Engine Works,
		Sefton St., Liverpool. (c/o Messrs. Rees & Wilkinson, 11
1892.	WILKINSON, EDWARD R	Poultry, E.C.
1902. A.M.)	W	(19 and 20 York Place, W.; and
1904. M.)	WILKINSON, FRANCIS ALAN	Harpenden, Herts.
1898.	WILKINSON, GEORGE	Beech Mount, Otley Rd., Harrogate.
1903.	WILKINSON, HENRY DANIEL	14 Queen St. Place, E.C. [Con-
	The state of the s	spicio, London.]
1907.	WILKINSON, JOSEPH	Queen's Dock Chbrs., Alfred
		Gelder St., Hull.  14 Des Vœux Road Central, Hong
1903.	WILES, EDWARD CHARLES	Kong, China.
1909.	West to Tomas Element	(Members Mansions, 38 Victoria St.,
	WILLANS, JOHN FREDERICK	Westminster, S.W.
1901.	WILLATT, WILLIAM HENRY	Messrs. Reckitt & Sons, Hull.
1905.	WILLCOCKS, FREDERICK ROWE	23 Monton St., Moss Side, Man-
1909.	WILLCOX, HENRY WALKER	chester. 14 Norfolk Street, Sunderland.
2000.		(Marine Engineering Supt., Port of
1910.	WILLCOX, REGINALD JOHN	London Authority, 109 Leaden-
	NORMAN	hall Street, E.C.
1900. A.M.)	WILLIAMS, ARTHUR	Apartado 930, Mexico City, Mexico.
1903. M.		*
1893. 1892. G.)	WILLIAMS, ARTHUR EDWARD	Res. Eng., Dagenham Dock, Essex.
1895. A.M.	WILLIAMS, ARTHUR EDWARD	Winchester House, Old Broad St.,
1907. M.	The state of the s	( E.C.
1911.	WILLIAMS, BERNARD EDWARD	(Messrs. Turner Brothers, 120 Fen-
ZULL:	TIBLIAMS, DEGNARD EDWARD	church Street, E.C.
1900. A.M.)	Warrania Carana F	Inspection Dept., Crown Agents
1907. M.	WILLIAMS, CHARLES EDWARD	for the Colonies, Whitehall
		Gardens, S.W. Harbour Eng., Dundalk Harbour
1909.	WILLIAMS, DAVID JOSEPH {	Commissioners, Dundalk.
1897. G.)		3 Salters' Hall Court, Cannon St.,
1899. A.M.	WILLIAMS, HAL	E.C. [Kawaka, London. 3333
1905. M.)		Central.]
1895. A.M.)	WILLIAMS, HENRY WATSON	45 Cliff St., Fremantle, W. Aus-
1900. M.		tralia. Central Marine Engine Works,
1884.	WILLIAMS, JOHN BEGBY {	West Hartlepool.
1901.	(WILLIAMS, JOHN NORMAN)	
	SPENCER	Kahului, Maui, Hawaiian Islands.
1890.	WILLIAMS, THOMAS DAVID	G.P.O., Sydney, N.S.W.

-	(Werrange Werrang Pours	(25 Ouron Victorio St. F.C. and
1881.	WILLIAMS, WILLIAM FREKE MAXWELL	35 Queen Victoria St., E.C.; and North Lodge, Windsor Forest.
1899.	WILLIAMS, WILLIAM HENRY	Divisional Loco. Supt., G.W. Rly., Swindon.
1889.	WILLIAMS, WILLIAM WALTON	34 Broomwood Rd., Wandsworth Common, S.W.
1897.	WILLIAMS, WYNDHAM HENRY	Highmoor, Parkstone, Dorset.
1907.	WILLIAMSON, ALEXANDER	23 Water St., Yokohama, Japan.
1907. A.M.) 1910. M.)	WILLIAMSON, HENRY DALE	Messrs. Samuel, Samuel & Co., Yokohama, Japan.
1883.	Williamson, Richard	Iron Shipbuilding Yard, Workington; and South Lodge, Cockermouth.
1889. G.) 1894. A.M.) 1901. M.	WILLIS, EDWARD TURNLEY	Kingsbury Collieries, Tamworth; and Eversley, Albert Rd., Tamworth.
1897.	WILLS, FRANK	Perseverance Works, Bridgwater.
1882.	Wilson, Alexander Basil	Maryville House, Malone, Belfast.
1890. G.) 1903. A.M.) 1906. M.	Wilson, Alexander Cowan	Winterbourne, Storeton Rd., Bir- kenhead.
1900.	Wilson, Henry	Works Manager, Messrs. A. and T. Burt, Dunedin, N.Z.
1881.	Wilson, John	Eng., G. E. Rly., Liverpool St. Station, E.C. [Wilson, Eastern, London.]
1890.	Wilson, Joseph William	Principal, School of Practical Engineering, Crystal Palace, Sydenham, S.E.
1873.	WILSON, THOMAS SIPLING	Messrs. Rose, Downs & Thompson, Old Foundry, Hull.
1897.	WILSON, WILLIAM CAMPBELL	Messrs. Charles Burrell & Sons, St. Nicholas Works, Thetford.
1899.	WILSON, WILLIAM HOPE	2 Nithsdale Place, Pollokshields, Glasgow.
1901.	WILTON, BARTEL	Westseedyk 402, Rotterdam, Holland.
1891.	Wimshurst, James Edgar	Supt. Eng., Royal Mail Steam Packet Co., Southampton.
1907.	WINDER, OLIVER	Wood Green House, near Wednesbury. [64 Wednesbury.]
1902. A.M.) 1909. M.	WINEBLOOM, ALBERT VICTOR	126 Bishopsgate, E.C. [Cheveral, London. 4635 Central.]
1901. G.)	WINGATE, ARTHUR WIN-)	
1902. A.M. \\ 1910. M.	GATE	Gisburne, Clitheroe.
1900.	WINGFIELD, CHARLES HUM-	28 Victoria St., Westminster, S.W. [3346 Victoria.]
1890.	WINGFIELD, DIGBY CHARLES	Harland Rise, Polworth Rd., Streatham, S.W.
1896. A.M.) 1903. M.)	Winston, Harold Holmes	Messrs. Waterlow & Sons, Finsbury, E.C.
1907.	WINTOUR, FRANCIS	Works Manager, G.N. Rly. Works, Doncaster.
1896. A.M.) 1903. M.)	Wiseman, Alfred	[80-89 Glover St., Birmingham. [Verus, Birmingham. 2299.]

-		(Halband Engineering Co. 150
1902.	WOLLASTON, HENRY UPPLEBY	Hulburd Engineering Co., 150 Leadenhall St., E.C.
		(Lord's Chbrs., 26 Corporation
1900.	Wollaston, Thomas Roland	St., Manchester, [Parabola,
1001	Wass Flaming Mirgory	Manchester.] 3 Victoria St., Westminster, S.W.
1881. 1887.	WOOD, EDWARD MALCOLM WOOD, HENRY	Victoria Foundry, Bolton.
1902.	WOOD, HERVEY ALAN	Dist. Loco. Supt., E.I. Rly., Jamalpore, Bengal.
1880. G.)	Wood, John Mackworth	Metrop. Water Board, New River
1886. M.)	Wood, Sir Lindsay, Bart	District, Rosebery Avenue, E.C. Southhill, Chester-le-Street.
1905.	Wood, Robert Gosby	Messrs. Willans and Robinson,
		Victoria Engine Works, Rugby. 58 Victoria St., Westminster,
1884.	WOOD, SIDNEY PRESCOTT	S.W.
1898.	Wood, Sydney Henry	Gas Light and Coke Works, Beckton, E.
		Los Talleres, Ferro Carril Rosario,
1890.	Wood, Thomas Royle	Campana, Buenos Aires, Arg. Rep.
1896.	WOOD, WALTER CHAPMAN	16 Cambridge Grove, Ilfracombe.
1904.	Wood, Walter James	King Edward's Chbrs., 116 Cleethorpe Rd., Grimsby.
1890.	WOOD, WILLIAM	31 Studley Rd., Clapham Rd., S.W.
1882.	Woodall, Corbet	Palace Chbrs., 9 Bridge St., West- minster, S.W.
1902. A.M.) 1905. M.)		Messrs. Clarke, Chapman & Co., Gateshead.
1905.	Woodhouse, Richard	Clifton Bridge Iron Works, Brig- house.
1897.	{Woods, ARTHUR ROBERT THOMAS	
1894.	Woods, William Henry	Liver Foundry and Engine Works, Ordsal Lane, Salford, Manches-
1094,	WOODS, WILLIAM HERRI	ter. [Shuice, Manchester. 1962.]
1899.	Woof, Thomas	Caister House, Bromley Rd., Catford, S.E.
1898.	Woollen, Thomas Henry	56 St. Mark's Rd., North Kensington, W.
1904.	(WOOLLISCROFT, GEORGE WIL-)	Loco. Dept., Mid. Rly., Derby.
	WOOMMON TOYEN	(Coalville Iron Works, Coalville,
1899.	Wootton, John	Leicester. (Beechgrove, Ridgeway Rd., Red
1895.	WORDINGHAM, CHARLES HENRY	Hill. [453.] (Assist. Eng., Southwark and Vaux-
1887.	WORGER, DOUGLAS FITZGERALD	hall Water Works, Southwark Bridge Rd., S.E.
1874.	WORSDELL, THOMAS WILLIAM	Stonycroft, Arnside, nr. Carnforth.
1894.	WORSDELL, WILSON (Member of Council)	The Glebe, South Ascot, Ascot.
1897. A.M.	WORSTEY PHILIP JOHN Jun	Messrs. Nettlefolds, Smethwick,
1910. M.	)	Messrs. G. J. Worssam & Son,
1877.	Worssam, Henry John	Wenlock Rd., City Rd., N. [Massrow, London. King's Cross 677.]

98	MEMBERS	. 1911.
Date of Election and of Transfer		
1893. G. 1895. A.M. 1909. M.	WORT, WALTER EDWARD	Heatly-Gresham Engineering Co., Letchworth, Herts.
1888.	Worthington, Edgar	(Secretary), The Institution of Mechanical Engineers, Storey's Gate, St. James's Park, West- minster, S.W.
1860. 1897.	Worthington, Samuel Barton (Worthington, William Bar- ton	Mill Bank, Bowdon, Altrincham.  Engin-Chief, Mid. Rly., Derby;  and Kirk Styles, Duffield, Derby.
1900.	WRIGHT, BENJAMIN HOLLING-	4 London Wall Buildings, E.C.
189 <b>7.</b>	WRIGHT, FREDERICK GEORGE WRIGHT, GEORGE WARD	G.W. Rly. Works, Swindon. Chief Eng., Mount Lyell Mining and
	WRIGHT, JOHN ROPER	Rly. Co., Queenstown, Tasmania. Llwynderw, Blackpyl, R.S.O., Glamorgan.
1903.	WRIGHT, THOMAS	Genl. Manager, Masons Gas Power Co., Alma Works, Levenshulme, Manchester.
1901.	WRIGHT, WALTER	Little Alne, Wootton Wawen, Birmingham.
1909. 1871.	WRIGHT, WILLIAM RYLE WRIGHTSON, Sir THOMAS, Bart.	13 Victoria St., Westminster, S.W. Teesdale Iron Works, Stockton-on-
1901.	WRIGHTSON, WILLIAM PER-	Tees. 41 Clive Road, Penarth.
1898. A.M.) 1909. M.)	WRINCH, HUGH EDWARD HART	Engineer's Office, Metropolitan Water Board, Surbiton.
1900. A.M.) 1904. M.)	WYLD, WILLIAM	Genl. Manager, Boro' Tramways Dept., Laird St., Birkenhead; and 14 Slatey Rd., Claughton, Birkenhead.
1902.	Wyles, David Dewar	St. George's Engineering Works, Trafalgar St., Brighton.
1902.	Wyllie, James	Chief Mech. Eng., Messrs. Henry Tate & Sons, Love Lane, Liver- pool.
1877.	{Wyvill, Frederic Chris-}	19 East Parade, Leeds.

1889.	YARROW, ALFRED FERNANDEZ	Glasgow 17 Glasgow 17 Glasgow 2082 Partick.]; and Campsie Dene, Blanefield, Stirlingshire.
1895.	YARWOOD, WILLIAM JAMES	Castle Dock Yard, Northwich, [74.]
1910.	{Yates, Harry James (Life Member)	Managing Director, Messrs. John Wright & Eagle Range, Essex Works, Aston, Birmingham.
1899.		Cyclone Works, Swinton, Man- chester. [Cyclone, Swinton, Manchester. 1871.]
1902. A.M 1905. M	YERBURY, HARRY EDWARD	Chief Elect. Eng., Corporation Tramways, Division St., Sheffield.

1880. G.) 1883. M.)	YORK, FRANCIS COLIN	Loco. Supt., B.A. and Pacific Rly., Junin, Buenos Aires, Arg. Rep.
1903.	YOUNG, FREDERICK WILLIAM	Liverpool Salvage Assocn., Liverpool.
1892.	Young, Robert	England House, Penang, Straits Settlements.
1894. A.M.) 1896. M.)	Young, Smelter Joseph	Tempered Spring Co., Ltd., Burton Weir Works, Sheffield. [Tem- pered, Sheffield. 354.]
1899.	Young, Thomas	203 West George St., Glasgow.
1887.	Young, William Andrew	Messrs. Lobnitz & Co., Renfrew, Paisley [Lobnitz, Renfrew. 57, Paisley.]; and Netherhill, Ren- frew Rd., Paisley.
1881.	Younger, Robert	Elmire House, Heaton Rd., Heaton, Newcastle-on-Tyne.

Date of Election.

### ASSOCIATE MEMBERS.

### [A.M.I.Mech.E.]

Children and Child		
1906.	ABBOTT, ALFRED ERNEST	Eng. and Surveyor, Stratford and Wolverton Rural District Coun-
1902.	ABBOTT, ROBERT HILL	cil, Wolverton, R.S.O., Bucks. 71 King St., Manchester.
1896.	Abella, Juan	Parliament Mansions, Victoria Street, Westminster, S.W.
1908.	ABLITT, EDWARD FREDERICK	Messrs. Thwaites Bros., West India House, 98 Leadenhall St., E.C. (Powell Duffryn Steam Coal Co.,
1908.	ABRAHAM, GRIFFITH	Penallta Colliery, Hengoed, Cardiff.
1900.	Adams, Albert Edward	Boro' and Water Works Eng., Chippenham.
1910.	ADAMS, ARCHIBALD CAMPBELL, F.R.S.E	Messrs. Robertson & Adams, 52 St. Enoch Sq., Glasgow. [8740 City.]
1903.	Adams, Dawson	National Electric Supply Co., Crown St., Preston.
1905.	Adams, Francis Robert John	Messrs. Howarth Erskine, Singapore, Straits Settlements.
1907.	Adams, Henry Charles	60 Queen Victoria St., E.C. [Vibur- num, London. Bank 6006.]
1909.	Adams, Maurice Hoppus	Res. Eng., Lancashire Electric Power Station, Radcliffe, Man- chester.
1907.	Adams, Percy William	Car and Genl. Insurance Corpn., 71 George St., Edinburgh.
1909.	ADAMS, RICHARD PERCIVAL	22 Writers Bldgs., Calcutta, India.
1892. G.) 1897. A.M.	Adams, Sidney Rickman	Oceana Consolidated Co., 13 Austin Friars, E.C.
1907.	ADAMS, Capt. WILLIAM HENRY, A.O.D	Inspector of Ordnance Machinery, H.M. Gun Wharf, Chatham.
1910.	AIENGAR, KRISHNAMACHARI SRINIVAS	Supt., P.W.D. Workshops, Bangalore, South India.
1909.	AIKEN, JOHN WILSON DONALD-	Rangoon Mining Co., Tavoy, Lower Burma.
1906.	AIRD, JAMES ERSKINE	Manager, Deundi Estate, Lalchand P.O., Sylhet, Assam, India.
1911.	AIREY, WILLIAM WILKINSON	Messrs. Ashton, Frost & Co., Bank Top Foundry, Blackburn.
1904.	AITKEN, ROBERT REGINALD	Savanna-la-Mar, Jamaica.
1902.	AKERLIND, GUSTAF FREDRIC	Loco. Supt., Clogher Valley Rly. Co., Aughnacioy, R.S.O., Co. Tyrone.
1907.	Albanese, Ettore Sacco	British Vice-Consul, Castellam- mare di Stabia, Italy.
1895. G. 1900. A.M.	Alcock, Alfred Edwin	North Eastern Steel Co., Middlesbrough; and 91 Oxford Road, Linthorpe, Middlesbrough.
1899.	ALDER, GEORGE FREDERICK	10 Church St., Tewkesbury.

Date of Election.

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1909.	ALDER, JOHN FREDERICK	{12 Queensthorpe Rd., Sydenham, S.E.
1910.	ALDRICH, THOMAS GOOCH	12 Bathurst St., Hyde Park, W.
1908.	ALDRIDGE, THOMAS HENRY UNITE	Municipal Electrical Eng., Electricity Works, Fearon Road, Shanghai, China.
1907.	ALEXANDER, CHARLES WIL-	83 Humphrey St., Old Trafford, Manchester.
1905. G 1907. A.M		coo Alfred James, 2 Broad Street Place, E.C.
1907.	ALEXANDER, JOHN FRANCIS	Room 1201, Traders Bank Bldg., Toronto, Canada.
1899. 1903. 1904.	ALEXANDER, JOSEPH GEORGE ALEXANDER, WILLIAM ALLAN, ALEXANDER BUCHANAN	167 Grosvenor Rd., S.W. 4 Rosenau Crescent, Battersea, S.W. 37 City Rd., Chester.
1903.	ALLBUTT, JONATHAN ENOCH	ford, Manchester.
1905.	ALLCOCK, HARRY	22 Albert Road, Hale, Altrincham. Engineering Dept., Technical Col-
1908.	ALLEN, CHARLES CARROL	lege, Auckland, N.Z.
1905.	ALLEN, THOMAS FEARNLEY	lege, Auckland, N.Z. Old Park Works, Wednesbury.
1902. G 1905. A.M		Messrs. Benham & Sons, 66 Wig- more St., W.
1911.	Allison, Bertram John	Contractor's Office, Fishguard Harbour, Pembrokeshire.
1904.	ALLISON, THOMAS ERNEST	52 Chancery Lane, W.C. [6746 Central.]
1905.	{ALLSOP, JOHN WILLIAM KID-}	Jackson House, Calcutta, India.
1904.		(c/o The Director, Royal Indian Marine, Bombay.
1902.	Amos, Harold Clyde	Glaslyn, Onslow Gardens, Wallington, Surrey.
1904. G 1910. A.M		Manager, Glover-Lyon Ventilation Co., Caxton House, Westminster, S.W.
1900.	Anderson, Athol Lancelot	Admiralty Offices, H.M. Naval Establishment, Rosyth, Fife-
1908.	Anderson, James	Shire. Cia. de Tecidos Paulista, P.O. Box 15, Pernambuco, Brazil.
1907.	Anderson, William John	Messrs. Wright, Anderson & Co., Abbot St., Gateshead.
1908.	Andrew, Cecil Daniel	Niles-Bement-Pond Co., 23–25 Victoria St., Westminster, S.W.
1909.	Andrew, Tom	The Oaks, 7 Corporation Road, Audenshaw, Manchester.
1898.	Andrews, Frederic Ernest	Chairman, Messrs. Bruce, Peebles & Co., Edinburgh.
1909.	Andrews, Henry Godfrey	Messrs. Goddard, Massey & Warner, Traffic Street, Nottingham.
1909.	Andrews, Neale	B. C. R. Ltd., Oak Works, Church Rd., Hanwell, W.
1909.	Anson, John Anchitel	Electric Light Dept., P. W. D., Lagos, West Africa. (Bromley Motor and Engineering
1906.	Anthony, Reginald Emerson	Works, Mason's Hill, Bromley, Kent.
1909.	ARBER, PERCY HERBERT	26 Arlow Rd., Winchmore Hill. N.

Date of Election.

1908.	ARMFIELD, FRANK	{247 Westbourne Grove, Bayswater, W.
1899.	ARNOLD, ARNOLD ATTWOOD	Mirrlees Watson Co., Scotland St., Glasgow.
1901.	ARNOLD, FREDERICK NATHAN-	33 Bow Lane, North Finchley, N.
1906.	ARUNDEL, FRANK DREW	39 The Avenue, Kew Gardens,
1908.	(Ashton-Pryke, Charles	Surrey. (British North Borneo Rly., Jessel-
1901.	ASTON, EDWARD BACKLAND	ton, British N. Borneo.  19 Dalmeny Avenue, Camden Rd.,
	STUCKEY	N. Glen Royd, Burlington Rd., Sher-
1909.	ATHERTON, ARTHUR	wood, Nottingham. Guildhall Chbrs., Lloyd St., Man-
1901.	ATHERTON, ERNEST STANLEY	chester.
1904. G. 1909. A.M.	ATKINS, ARTHUR HENRY	Messrs. W. Heap & Co., 12 Seaton Bldgs., 17 Water St., Liverpool.
1902.	ATKINS, EVAN ARTHUR	Municipal Technical School, Liver- pool; and 9 Breckside Park, An-
	,	field, Liverpool. (The Colchester Lathe Co., Col-
1905.	ATKINS, HARRY FREDERICK	chester.
1905.	ATKINSON, CYRIL JOSEPH	Industrial Power Co., Milwaukee, Wis., U.S.
1907. G.)	ATKINSON, JAMES STANLEY	Messrs. Wellman, Seaver & Head, 47 Victoria St., Westminster,
1910. A.M. § 1905. G.)		S.W. (Carville Power Station, Wallsend-
1910. A.M.) 1900. G.)	ATKINSON, JOHN TOM	on-Tyne.
1901. A.M.	ATTOCK, FREDERICK WILLIAM	Loco. Dept., Lancs. & Yorks. Rly., Horwich, Lancs.
1900.	Aughtie, Herbert	South Western Polytechnic, Chelsea, S.W.
1903. 1903.	AUSTIN, SAMUEL, Jun AVELING, RALPH CLIFFORD	81 Kersley St., Oldham. 72 Cannon St., E.C. [5104 Bank.]
1901.	AYERS, FREDERIC GORDON	c/o Messrs. Ayers & Gall, Weymouth St., Adelaide, S. Australia.
		( mouth St., Adelaide, S. Australia.
1899.	Baber, Samuel Ernest	Springdale, Charlton Rd., Keynsham, Bristol.
1906.	Babington, Eustace Basil	Elm Ave., Long Eaton, Nottingham. (Nelson Iron Works, Great Yar-
1904.	BACK, WALTER HERBERT	mouth. [Pertwee, Great Yarmouth, 0178.]
1899.	Backhouse, John	16 Merton Rd., Bootle, Liverpool.
1902. G. 1908. A.M.	Bacon, Ernest Leslie	Cleveland Car Co., Grange Rd., Darlington.
1907.	BADGER, JOHN RICHARD	Cupola Works, Rotherham; and Langdale, Rotherham.
1900. G.) 1903. A.M.	BAGG, HENRY ARTHUR	4 Calthorpe Rd., Banbury.
1904.	Bagshawe, Benjamin Wyatt	Messrs. D. T. Keymer & Co., 5 Mangoe Lane, Calcutta.
1907.	BAILEY, DUNCAN	Westfield, Horbury, Wakefield.
1900. 1908.	Bailey, Harry Dorning Bain, David Balfour	Albion Works, Salford, Manchester.    Sturtevant Engineering Co., 147
2000	DALL, DALL DALLEUUN	Queen Victoria St., E.C.

1907.	Bain, John Anderson {	30 Mexborough St., Chapeltown Rd., Leeds.
1903. G.) 1905. A.M.)	BAKER, ARTHUR	Director, Model Workshops, Bulac, Cairo, Egypt.
1902. G.	BAKER, HENRY	Laburnam Cottage, The Vale,
1903. A.M.		Hampstead Heath, N.W. (Messrs. John Baker & Co., Kiln-
1899.	BAKER, HENRY GOULDTHORPE	hurst Wagon Works, Kilnhurst, Rotherham.
1903.	Baker, Herbert Henry	Messrs. Merz & McLellan, Colling- wood Bldgs., Newcastle-on-Tyne.
1909.	BAKER, JOSEPH SAMUEL	Messrs. Joseph Baker and Sons, Willesden Junction, N.W.
1908.	Baker, Lucius Aveling	Chief Eng., Argentine (South) Development Co., 2 Copthall Bldgs., E.C.
1909.	BAKER, PERCY MONTAGUE	Victoria Institute, Byculla, Bom- bay, India.
1911.	Bakewell, Frederic John.	Postal Restante, Buenos Aires, Argentine Republic.
1900.	BALDWIN, CHRISTOPHER Ed-	Blyth Harbour Commissioners, Blyth.
1902.	BALDWIN-WISEMAN, WILLIAM RALPH, M.Sc	24 Winchester Rd., Southampton.
1902.	Balfour, George	Messrs. Balfour, Beatty & Co., 22A College Hill, Cannon St., E.C.
1907.	BALFRY, JOHN CHARLES KEL-	Messrs. Willans and Robinson,
1902.	BALL, COMER SANDYS	Wictoria Works, Rugby.  3 Marine Parade, Dover.
1899.	BALL, EDMUND BRUCE	Messrs. Samuel McGregor & Co., 5 Canton Rd., Shanghai, China.
1910.	Bamford, Frederick	Resident Eng., Port Madryu, Argentine Republic.
1910.	Banks, Alexander	Manganese Bronze & Brass Co., St. George's Wharf, Deptford, S.E.
1896.	Barba, Alfonso G	Las Palmas, Canary Islands.
1894. G.)		c/o W. H. Fowler, 53 New Bailey St., Manchester; and Roseleigh,
1900. A.M.)	BARBER, EDWARD WHITLEY	Palatine Rd., Northenden, Man- chester.
1905,	BARBER, GEORGE ALFRED	Royal Laboratory, Royal Arsenal, Woolwich.
1910.	BARBER, WILLIAM EDWARD	Messrs. Vickers, Sons & Maxim, 32 Victoria St., Westminster, S.W.
1907.	BARFORD, VALENTINE GEORGE	Messrs. J. I. Thornycroft & Co., Basingstoke.
1910.	BARGE, HENRY LOWTHIAN	Messrs. Bullivant & Co., 72 Mark Lane, E.C.
1903.	BARKER, LAURENCE CHECKLEY	75 Brynland Avenue, Bishopston, Bristol.
1904.	BARNES, ARCHIBALD	Managing Director, Sheffield Motor Co., 222-6 West St., Sheffield.
1907.	BARNES, HENRY	Linden House, Halford St., Thrapston.
1906. G. 1909. A.M.		Hampstead Corpn. Electricity Works, Lithos Rd., Finchley Rd., N.W.
1903.	BARRETT, CHARLES EDGAR MATHEWS	Malabar Spinning & Weaving Co., Kallai, Malabar, India.

1905. BA	RRETT, HARRY	Messrs. Greaves, Cotton & Co., Fort, Bombay.
	RRETT, JOHN MATHEW	Messrs. John Fleming and Co., Delhi, India.
1901. G. BA	RRS, EDWARD	Messrs. Tennant & Barrs, Cathedral
1904. G. B.	DDV ADMYND DAVY	Bldgs., Newcastle-on-Tyne.  (Home Place, Limpsfield, S.O.,
1300. A.H.)	RRY, ARTHUR PAUL	Surrey.
	RTLE, GEORGE WILLIAM	Albion Brewery, Mile End, E. (365 Ormskirk Road, Pemberton,
1910. Ba	RTON, ALLEN	Wigan.
1896. BA	RTON, ANDREW	Admiralty, Works Dept., White- hall, S.W.
1902. G. 1906. A.M.	RTON, GEOFFREY BERKLEY	E. B. State Rly., Saidpur, Bengal, India.
1902. BA	RTRAM, HARRY ALFRED	Worthington Pump Co., 153 Queen Victoria St., E.C.
1900,	SKERVILLE, WILLIAM SHER-	23 St. David's Avenue, Canton, Cardiff.
1904. G.) BA	sta, Навів	P.O. Box 1316, Cairo, Egypt.
1905. G. BA	THE, CECIL DAVID DALRYM-	Chief Electrical Engineer's Office,
	PLE	L. & N. W. Rly., Euston, N.W. (Engineering Dept., National Physi-
1909. G.) BA 1910. A.M.)	TSON, REGINALD GEORGE	{ cal Laboratory, Bushy House,
(Ba	x, Harold Edmund Iron-)	Teddington, Middlesex.
1907.	IDE	Eldon, Weybridge.
	XANDALL, RICHARD FITZ-	53 Mount Preston, Leeds.
	YLEY, JOHN PARR	P.O. Box 5435, Johannesburg, Transvaal.
	YNTUN, ROBERT SOMERVILLE	Mersey Rly., Shore Rd., Birkenhead.
1900. G. 1905. A.M.	ZIN, JOHN RALPH	Loco. Dept., G. N. Rly., Doncaster.
1903. G.) BE	ALE, SAMUEL RICHARD	Messrs. L. Sterne & Co., Crown Iron Works, Glasgow.
,	ARD, WILLIAM KEITH	H.M. Inspector of Factories, 51
	, , , , , , , , , , , , , , , , , , , ,	South John St., Liverpool. General Manager, Messrs. Wilson
	ARE, HAROLD HARGREAVES	& Co., Welshmill Engineering Works, Frome.
	CHTEL, RICHARD CORNELIUS CK, ALEXANDER EDWARD	Lilleshall Co., Oakengates, Salop. 115 and 117 Cannon Street, E.C.
	ck, John	(2035 Waverley St., Montreal,
1009 G)		Canada.  Separate Canada.  Canada.  Canada.  Canada.  Rd., Handsworth,
1904. A.M.) BE	ECHING, FRANK WILLIAM	Birmingham.
1906. BE	BBIE, STANLEY STIRLING	Milky Way Mine, Golden Valley, Mashonaland, Rhodesia.
1904. BE	GBIE, THOMAS, Jun	York G. M. Synd., P. O. Box 54, Krugersdorp, Transvaal.
	517	P. O. Box 192, Middelburg, Trans-
1899. BE	GBIE, WILLIAM	vaal,
		vaal. Compañia de San Salvador, Astil-
	IRNE, SIDNEY ANGELO	vaal.
1902. BE		vaal. Compañia de San Salvador, Astillero, Provincia de Santander,

Date of Election	l.	a co
1904.	Bell, Allan	Bank Bldgs., 60 Castle St., Liver-
1898. G.)		\ pool. ∫Signal Works, Engineers' Dept.,
1902. A.M.		Mid. Rly., Derby.  26 Darley Rd., Seymour Grove,
1910.	Bell, Herbert Henry	Manchester.
1906. G.) 1910. A.M.)	Bell, John	22 Augustus Rd., Hammersmith, W.
1898.	Bell, William	Messrs. G. J. Worssam & Son, Wenlock Rd., City Rd., E.C.; and 65 North Side, Clapham Common, S.W.
1890. G.) 1897. A.M.	Bell, William Thomas	The Elms, St. Catherine's, Lincoln.
1907.	Bellingham, Benjamin	Messrs. J. H. Richards & Co., 41 John Bright St., Birmingham.
1909.	BELSHER, BERNARD JAMES	15 Great Alie Street, Stepney, E. [Avenue 5803.]
1908.	BENCE, EDGAR HENRY	Messrs. Ham, Baker & Co., 13 Grosvenor Rd., Westminster, S.W.
1906.	Benfield, John	Hadfield's Steel Foundry Co., East Hecla Works, Sheffield.
1902.	BENINGTON, EDMOND STRANG-	
1901.	MAN	(Chief Eng., Australasian Chilling and Freezing Co., Aberdeen, New South Wales.
1909.	BENNETT, DUNCAN	jc/o P. J. Mitchell, Caxton House,
1906.	BENNETT, FREDERIC STANLEY	Westminster, S.W. 55 Acacia Rd., Regent's Park, N.W.
1903.	Bennett, Frederick William	London Small Arms Co., Victoria Park Mills, Old Ford, E.
1900. G.)		Prudential Bldgs., Mosley St.,
1903. A.M. §	BENNETT, MARSHALL HANDY-	Newcastle-on-Tyne. Corozal, 11 Carlisle Rd., Hove, Brighton.
1901.	BENNETT, PERCY MAYSON	San Juan de Letran, No. 5½, Mexico City, Mexico D. F.
1901. G. 1910. A.M.	BENNETT-POWELL, PERCIVAL GORDON	Treforest Electrical Consumers Co.,
1910. A.M.)	BENNISON, WILLIAM EDWARD	Power Station, Pontypridd. Linotype and Machinery Ltd.,
1906.	BENT, WILLIAM	Broadheath, Manchester. Bank House, Apperley Bridge, Bradford.
1909.	BENTLEY, CUTHBERT WILLIAM	Res. Eng. and Manager, Electricity
1903.	Bentley, Percy	Works, Central Rd., Cromer. Works Manager, Messrs. Jackson Brothers, Leeds.
1900.	BENTLEY, THOMAS SIMS	Messrs. C. Churchill & Co., 9-15 Leonard St., Finsbury, E.C.
1907.	BENYON, GEORGE ALFRED	31 Abbey Walk, Halifax.
1907.	Benzie, John Geddes	Colombo Commercial Co., Colombo, Ceylon.
1902.	BERKELEY, TYRUS DOUGLAS	Clifton, Ruabon.
1908.	BERNER, CORRÈZE AAGE OSCAR	Telegraph Construction and Maintenance Co., E. Greenwich, S.E.
1902.	Berry, Frederick	(Technical School, Bridgman St., Bolton.

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1904.	Berry, Robert	Albion Foundry, Swinton, Man- chester.
1898.	BERRY, THOMAS	(53 Cowgate, Dundee. [Steam-pump, Dundee.]
1902.	BERRY, WILLIAM	De Beers Consolidated Mines, P.O. Box 44, Kimberley, S. Africa.
1902.	BEVAN, IVOR	9 Tabor Grove, Worple Road, Wimbledon.
1910.	BEVENUE - MILLER, EDWIN	Chief Electrical Eng., Messrs. Turner, Hoare & Co., P.O. Box 195, Bombay.
1904.	Bharucha, Fakirjee Eduljee	2414 East Street, Poona, India.
1896. G.) 1898. A.M.)	BIGGER, COURTENAY	Falmore Hall, Dundalk, Ireland.
1902.	BIGG-WITHER, LIONEL	Assist. Loco. Supt., G.I.P. Rly.: c/o Messrs. Grindlay Groom & Co., Bombay.
1910.	BILLINGTON, JOHN DUTTON	Chief Electrical Engineer's Office, L. and N.W. Rly., Euston Station, N.W.
1909.	BILLINTON, LAWSON	Dist. Loco. Supt., L. B. & S. C. Rly., New Cross, S.E.
1902. G.) 1906. A.M.)	BILLINTON, PERCY ROBERT	Res. Eng., G. I. P. Rly., Tapti Bridge, Bhusaval, Bombay Pres.
	BINNER, JOSEPH WILLIAM ABERDEEN	Golfers Club, Whitehall Court, S.W.
1902.	BINNS, ASA	Resident Engineer's Office, Surrey Commercial Docks, S.E.
1909. 1903.	BINNS, HERBERT VICTOR BIRD, FRANK NOEL	Messrs. Cravens Ltd., Sheffield. Yarloop, Western Australia.
1907.	Birkett, Percy	(c/o General Post Office, Stevenston, S.O., Ayrshire.
1900.	BISHOP, CHARLES HERBERT	20 Poole Rd., Egremont, Birken- head.
1906. G. 1910. A.M.	BISHOP, REGINALD	Sheffield Simplex Motor Works, Tinsley, Sheffield.
1908.	BLACK, GEORGE LESLIE	Egyptian Delta Light Rlys., Tantah, Egypt.
1910.	Black, John Frederick	(c/o Messrs. James Whittall & Co., 9 Fenchurch Avenue, E.C.
1908.	BLACKBURN, ALBERT ARTHUR	Car Works Dept., City Tramways, Sandy Row, Belfast.
1902.	BLAGDEN, ARTHUR HERBERT	Municipal Electricity Works, Shanghai, China.
1909. 1905.	BLAIKIE, JAMES NORMAN BLAKE, ANDREW WILLIAM	Ynyswen, New Rd., Llanelly. 66 Wind St., Swansea.
		(Motor Works, Station Avenue, Kew
1909.	BLAKE, FRANCIS CLAUDE	Gardens, S.O., Surrey. (Blaker Engineering Co., 151 Engle-
1904.	BLAKER, ALEXANDER AUBREY	field Rd., Islington, N. (Engineer's Office, I. of M. Harbour
1905.	BLAKER, WILLIAM HERBERT	Commissioners, Douglas, Isle of Man.
1904.	BLAKEY, JASPER	7 Duke of York St., Wakefield.
1899.	BLISSETT, PERCIVAL THOMAS	Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1910.	BLOOR, EDWIN HAROLD	15 Archibald Place, Edinburgh.
1904.	BLOYD, FRANCIS GEORGE	Engineer's Office, S.E. & C. Rly., London Bridge, S.E.

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1899. G.)	BLYTH, ERNEST BLACKSTONE	Messrs. Charles Nelson & Co.,
1902. A.M.)	DLYTH, ERNEST DLACKSTORE	Stockton, Rugby.  (54 Leopold Rd., St. Andrews,
1907.	BLYTH, HERBERT	Bristol.
1907.	Bock, James Kerr	Finsbury Pavement House, Finsbury Pavement, E.C.
1903.	Boden, Arthur Lionel	33 Wrottesley Rd., Plumstead.
1907.	BOLLAM, WILLIAM CHRIS	County Eng. and Surveyor's Dept., Guildhall, Westminster, S.W.
1909.	BOLTON, HENRY	171 Queen's Rd., Wimbledon, S.W.
1906.	Bonar, Horatius	Supt. Eng., Bengal Iron & Steel Co., Kulti, E.I.R., India.
1907.	Bonar, John	P.W.D., Balloki, Changa Manga, Lahore, India. (Messrs. J. Aird & Co., Tanjong
1907.	Bonstow, Thomas Lacey	Pagar Dock Works, Singapore, Straits Settlements.
1909.	BOOTH, JULIAN LIVINGSTON	c/o J. R. Hewett, 8 N. Brandywine Ave., Schenectady, New York, U.S.
1900. G.) 1906. A.M.)	Boreham, George Henry	Chelsea Electricity Supply Co., 12 Alpha Place, Flood St., Chelsea, S.W.
1910.	BORLAND, ROBERT	Assist. Supt., Govt. Dockyard, Sydney, New South Wales.
1908.	Borner, Otto Leo	Diesel Engine Co., 179 Queen Victoria St., E.C.
1900. G. 1902. A.M.	BOTT, WALTER STANLEY	The Mulberries, Nazeing, Waltham Cross.
1907.	BOULTBEE, HENRY ARTHUR	Municipal Technical School, Suffolk St., Birmingham.
1901. G.) 1903. A.M.)	Boulton, John Howard	North British Locomotive Co., 17 Victoria Street, Westminster, S.W.
1909.	Boulton, Percival Raymond	Corpn. Electricity Works, Summer Lane, Birmingham.
1907. 1898.	BOURNE, ERNEST SPENCER BOUTS, THOMAS	60 Greenway Rd., Runcorn. 75 Sarsfeld Rd., Balham, S.W.
1902.	Bow, John	Ferro Carril del Sud, Dept. de Via
		y Obras, Buenos Aires, Arg. Rep. 42 Mosley Street, Newcastle-on-
1903.	Bowden, John	Tyne.
1901. G.) 1905. A.M.	Bowen, Charles William	13 Hyde Gardens, Eastbourne.
1910.	Bower, Clifford Oakes	5 Wood Street, Dennistoun, Glasgow.
1909.	Bowles, Charles William	Manager, Patiala State Monorail Tramways, Patiala, Punjab, India.
1901. G.) 1907. A.M.)	BOWMAN, HAROLD EDELSTEN	Messrs. Stevensons', Canal Foundry, Preston. (Schmidts Superheating Co., c/o
1910.	Bowser, Howard Arthur	Mesers. Evans, Thornton & Co., 349 Calle B. Mitre, Buenos Aires, Arg. Rep.
1900. G.) 1903. A.M.)	Box, Wilfrid Leonard	37 Winchendon Rd., Teddington.
1906.	BOXER, Eng. Lieut. ARTHUR CHICHESTER, R.N	{c/o Messrs. Woodhead & Co., 44 Charing Cross, S.W.

1903.	Воуд, Ниен	Supt. Eng., United Alkali Co., Fleetwood, R.S.O., Lancashire.
1900.	BOYD, WILLIAM	Helmsdale, Chester Rd., Hartford, Northwich.
1910.	Boys, Sidney James	Messrs. Henry Boys & Son, New Mills Works, Walsall. Messrs. William Bradford & Sons,
1908.	Bradford, Percy Richard	Carlton Chambers, 12 Regent St., S.W.
1899. G.) 1907. A.M.)	Bradley, Cecil Gustav	Engineer and Surveyor, Council Offices, Goole.
1907.	Bradshaw, John Hilton Pole	Bordon Camp, Hants.
1907.	Brady, Hugh Woodhams	54 Fleet St., E.C. (Inventors' Engineering Co., 149-
1908.	BRAUN, HENRY CHARLES HERBERT	153, 236-238 Pentonville Rd., King's Cross, N.
1910.	BRAYFIELD, THOMAS HENRY GORDON	Messrs. Carmichael and Clarke, 3 Queen's Buildings, Hong Kong, China.
1909.	Brayshaw, Edmund Russell	2 Mulberry St., Hulme, Man- chester. [Hardening, Manchester. 8876 Central.]
1907.	Bremner, James, Jun	Hellewell's Buildings, Castle St., Liverpool.
1896.	Bremner-Davis, William	Slieve More, Shawfield Park,
1898. G.\(\) 1901. A.M.\(\)	Joseph	The Gables, Stockcross, Newbury.
1908.	Brettell, John Orme	Messrs. McKenzie and Holland, Vulcan Iron Works, Worces-
1902.	BRIDGE, ARTHUR GEORGE	ter. Messrs. Tomlinson (Rochdale), Soho Works, Rochdale.
1906.	BRIERLEY, HARRY HEATON	Messrs. Watney, Combe & Reid, The Brewery, Mortlake, S.W.
1902.	Briggs, Robert Alexander	9 Warwick Court, High Holborn, W.C.
1898.	Brindley, Harry Samuel Bickerton	1 Tsukiji, Tokyo, Japan.
1894. G.) 1900. A.M.		Electric Construction Co., Wolver- hampton.
1903. G.	Britton, Captain Edwin John	(Northern Army Offices, Clyde Rd.,
1905. A.M.)		Rawal Pindi, India. Messrs. W. B. Haigh & Co., Globe
1910.	Broadbent, Harry	Iron Works, Oldham.
1906.	Broadbent, Herbert	Eng. and Manager, Electricity Dept., Perth Gas Co., Perth, W. Australia.
1910.	Broadbent, Leonard Dalton	Manager, Messrs. Robert Broad- bent, Phœnix Iron Works, Staly- bridge.
1904. G.) 1909. A.M.)		Mussens Ltd., Box 818, Vancouver, British Columbia.
1905.	Brooke, Harry	Engineer's Dept., Rochdale Canal Co., Rochdale.
1909.	Brooks, Geoffrey	140 West George Street, Glasgow.
1899. G.1		1 Dartmouth Park Rd., Highgate,
1900. A.M.)	,	N.W.

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1903.	Brooks, John Frederick	Municipal Technical School, Leicester.
1909.	Broughall, George	Chief Electl. Engr's. Office, L. & N. W. Rly., Euston, N.W.
1904.	BROUGHTON, FREEMAN	19 Pine Grove, Monton Green, Eccles.
1900. G.)	BROUGHTON, HAROLD HODG-	Municipal Technical College,
1910. A.M.	KINSON	Brighton.
1909.	Brown, Alfred William	6 Royal Avenue, Belfast. (Works Mangr., Bateman's Machine
1910.	Brown, Bernard Hardesty	Tool Co., Hunslet, Leeds.
1901. G.) 1903. A.M.	Brown, Charles Anderton	Springhill, Gladstone Grove, Heaton Moor, Stockport.
1908.	Brown, Clement	Messrs. Brown & Barlow, 16 Loveday St., Birmingham.
1907.	Brown, Edward George	Messrs. Brown & Ward Ltd., Bran- ston Works, Branston St., Bir- mingham. [Turrets, B'ham. 3831 Central.]
1910.	Brown, Francis Verrill	Guardian Buildings, 3 Cross St., Manchester.
1908.	Brown, Herbert	The Cape Copper Co., Briton Ferry, Glam.
1901.	Brown, John Pollock	Messrs, Wm, Denny & Bros., Dumbarton; and 1 Broomhill Avenue, Partick, Glasgow.
1908.	Brown, Robert Harry	Corporation Gas Works, Birken- head.
1901.	Brown, Tom Edward Bennett	Managing Director, Messrs. Ross, Courtney & Co., 25 Ashbrook Rd., Upper Holloway, N.
1905.	Brown, Walter Lindahl	Somerley, London Road, Reading.
1910.	Browne, Alexander Fleming	Messrs. Davidson & Co., Egypt House, New Broad St., E.C.
1906.	Browne, Rolando Harry	Loco. & Carr. Supt., Ferro-Carril de la Union, Cartagena, Spain.
1910.	Browning, George	Works Manager, Glenavon Engine Works, Partick, Glasgow.
1908.	Browning, Robert Holditch	8 St. Mary's St., Bridgnorth.
1907.	BRUCE, ARCHIBALD KAY	St. Ninians, Hatch End, S. O., Middx.
1908.	BRUCE, CHARLES WILLIAM	Res. Eng., Rohilkund and Kumaon Rly., Mailani, U.P., India. (Res. Electrical Eng., Willesden
1898. G.) 1904. A.M.)	BRUCE, JOHN GEORGE	Dist. Council, Electricity Office, Salusbury Rd., Kilburn, N.W.
1901.	BUCHANAN, WILLIAM ERNEST	Supt., Simla Water Works, Simla, Punjab.
1908.	Buckham, Edward Howe	Prospect Place, Bungay.
1908.	Buckley, Frank	(H. H. Nizam's Guaranteed State Rly., Secunderabad, Deccan, India.
1905.	BUCKLEY, PHILIP	Britannia Rd., Morley, Leeds.
1901.	Budding, Brice Henry, Jun.	146A Portway, West Ham, E.
1903. G.) 1910. A.M.)	BULKELEY, GEORGE VICARY OWEN	Messrs. Phipps & Styles, 1052 Fort St., Victoria, B.C.
1905.	Bull, Edward Joseph	Dist. Eng., Chupra, Sarun District, Bengal.

110	ASSOCIATE MEMBERS. 1911.				
Date of Election	1.				
1900.	Bull, Rowland Francis	Hulton Colliery Co., Chequerbent, Bolton.			
1900.	Bull, Thomas Palmer	Messrs. Salmon & Sons, Motor Carriage Works, Newport Pagnell.			
1902.	BULLMORE, ALFRED WILLIAM ERNEST	Eng., First Garden City, Letchworth, Herts.			
1910.	Bullmore, Frederick Charles	10 Stratton Place, Falmouth.			
1897. G.) 1901. A.M.)		4 Northumberland Bldgs., Bath.			
1901. A.M.)	BUNN, CHARLES WILLIAM	Charlemont, West Bromwich.			
1908.	Burch, Frederick Leonard	Grays Urban District Council, Bank Bldgs., High St., Grays.			
1908.	BURCHALL, WILLIAM BALLAN-	64 Frances St., Winnipeg, Man., Canada.			
1893.	Burden, Alfred George	Messrs. Cammell Laird & Co., P.O. Box 665, Johannesburg, Transyaal,			
1903. G.) 1910. A.M.		52 Victoria Rd., Swindon.			
1908.	Burgess, Frederick William	{181 Stonelaw Rd., Rutherglen, Glasgow.			
1906.	Burgess, Gerard Herbert	7 Bloomfield Rd., Moseley, Birmingham.			
1909.	BURKE, THOMAS NICHOLAS	Harbour Office, Belfast.			
1907.	Burn, Louis	Managing Director, Max Ltd., Terminus Chambers, Holborn Viaduct, E.C.			
1903.	Burnand, Augustus Henry	Hartley University College, Southampton.			
1890. G.) 1895. A.M.)	BURNE, EDWARD LANCASTER .	14 Victoria St., Westminster, S.W. [Cloacalis, London. 5128 Westminster.]			
1904.	BURNETT, WILLIAM RATTERY.	Messrs. C. A. Hutson & Co., Ceylon Engineering Works, Colombo, Ceylon.			
1910.	Burns, James Alexander	Worthington Pump Co., Lion Bldgs., 170 Hope St., Glasgow.			
1897.	BURNSIDE, BERTRAM W	Loco. Dept., Burma Rlys., Insein, Burma.			
1911.	BURNSIDE, FRANCIS INGOLDSBY)	Daimler Motor Co. (1904), Ltd.,			
1910.	Burnside, Godfrey Massy	Coventry. 82 Victoria St., Westminster, S.W.			
1909.	BURR, JAMES WILLIAM	Electricity Works, Factory Lane,			
1904.	Burrows, George Henry	Croydon. G.W. Rly, Works, Swindon.			
1904.	BURT, JOHN WILLIAM EDWARD	G.W. Rly. Works, Swindon. Betsham Villa, Betsham, Graves-			
1908.	BURT, LESLIE NEWMAN	end. 4 Outer Temple, 222 Strand, W.C.			
1899.	BURT, THOMAS ROSS	Messrs. A. & T. Burt, Dunedin,			
1907.	Burton, James Henry	New Zealand, Works Mangr., Messrs. W. Sharples & Co., Ramsbottom, Manchester.			
1907.	Burton, Walter Frank	& Co., Ramsbottom, Manchester. Chief Eng., Car and General Insurance Corpn., 1 Queen Victoria St., E.C.			
1906.	BURY, RONALD EDWARD	Assist. Supt., Carriage and Wagon Dept., E. I. Rly., Lillooah, Bengal.			

1911.	ASSOCIATE MEM	BERS. 111
Date of Election.		
1908.	Bush, Archibald George	Bryn Asaph, Romilly Rd., Cardiff. (Messrs. Siemens Brothers' Dynamo
1910.	BUTCHER, JAMES DOUGLAS	Works, Penang, Straits Settle- ments.
1891. G.) 1898. A.M.	BUTCHER, WALTER EDWARD	(British Thomson-Houston Co., 83 (Cannon St., E.C.
1904.	BUTLER, GEORGE HENRY	Docks Engineer's Office, Cumber- land Basin, Bristol. (Lynbrook, 120 Wilbraham Rd.;
1891. G. 1896. A.M.	BUTTENSHAW, GEORGE ESK-	Chorlton - cum - Hardy, Man- chester.
1910.	BUTTERFIELD, WILLIAM ARTHUB	Manager, Asiatic Petroleum Co.'s Works, Budge Budge, Calcutta.
1902.	BUTTON, JOHN WILLIAM BUXTON, RICHARD HENRY	Technical College, Huddersfield. (23 Durnsford Avenue, Wimbledon
1301,	Dualon, Induano III.	Park, S.W.
1905.	CABENA, RICHARD HANSON	120 Sydenham Rd. N., Croydon.
1910.	Cable, James William	Messrs. Schram, Harker & Co., 110 Cannon St., E.C.
1907.	Cable, Matthew	Corpn. Tramways, Wellington, New Zealand.
1908.	CACHEMAILLE, EUGENE DÉSIRÉ	Wellington Harbour Board, Wellington, New Zealand. Works Manager, Messrs. Palmer
1900.	CALDERWOOD, WILLIAM	& Co., Stratford, E.; and 83 Hampton Rd., Forest Gate, E.
1905.	CALVARD, FRANK	Eildon House, Granville Avenue, West Hartlepool. (Manager, Messrs. John Robson
1911.	CALVERLEY, VINCENT	(Shipley), Ltd., Alexandra Works, Shipley.
1906. 1902. G. 1905. A.M.	CALVERT, EDWARD	Electricity Works, Finchley, N.  (Messrs. Ramiro Leão & Co., Chiado,  Lisbon, Portugal.  (Chatteris Engineering Works Co.,
1908.	Campbell, Alexander Wil-	139-140 Gresham House, Old Broad St., E.C. [Pulsation, London. 5898 London Wall.]
1901.	CAMPBELL, ERNEST WATER-	Dolphin Foundry, Saynor Rd., Hunslet, Leeds.
1910.	CAMPBELL, JAMES ALEXANDER	British Coalite Co., Creekmouth, Barking.
1910.	CAMPBELL, KENNETH WILLIAM	Supt. Eng., Messrs. Mackenzie & Co., Shanghai, China.
1910.	Campion, John	Walker Engineering Laboratories, The University, Liverpool.
1904.	Cannon, Reginald	P. O. Box 4746, Johannesburg, Transvaal.
1908.	CARNE, HENRY	Waterworks Eng., Biggleswade Water Board, Biggleswade. General Manager Compañia In-
1908.	Carosio, Giovanni	General Manager, Compañia Industrial, Calle Belgrano 432, Buenos Aires, Arg. Rep.
1904.	{CARR, CHRISTOPHER RALPH (Life Associate Member)	85 Kirkstall Rd., Leeds.

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1900.	CARR, HARRY OSWALD	Wandsworth and Putney Gas Light and Coke Co., North St., Wands- worth, S.W.
1898.	CARR, JAMES JOHN WILLIAM	Woodland Works, Grove Lane, Smethwick, Birmingham. [Bells, Smethwick. 2018.]
1903. ( 1908. A.I	G. CARR-GOMM, MARK CULLING	6 Broad St. Place, E.C. [Naphtalat, London. 5110 London Wall.]
1902. (1910. A.I	G.) CARRICK, JOSEPH ERNEST	Mineral Supt.'s Office, Gascoigne Wood, South Milford, S.O., Yorks.
1906.	Carrington, George	Messrs. Guest, Keen & Nettlefolds, London Works, near Birming- ham.
1910.	Carson, James	Managing Director, Messrs. James Carson & Co., Oaklands Rd., Cricklewood, N.W.
1900.	CARSTAIRS, GILBERT LANGLOIS	12 Kingswood Rd., Seven Kings, Ilford.
1908.	CARTER, EVERSHED	Messrs. Blackstone & Co., Rutland Engineering Works, Stamford.
1901.	Carter, Frank	15 Edenhurst Rd., Mile End Lane, Stockport.
1908.	CARTER, FRANK	Works Manager, Messrs. Black- stone & Co., Rutland Engineer-
1906.	CARTER, HAROLD HERBERT	ing Works, Stamford. 11 Priory Hill, Dartford.
1908.	CARTER, HAROLD THOMAS	Supt., Water Works, Aish Bagh,
1905.	CARTER, HENRY CHARLES	Lucknow, India. 259 Oxford Rd., Reading.
1904.	Carter, John Arthur	Chief Eng., The New Explosives Co., Stowmarket.
1906.	CARTER, WALTER	Messrs. J. J. Saville & Co., Triumph Steel Works, Sheffield.
1901.	CARTMELL, JOHN MONKHOUSE	69 Buchanan St., Glasgow.
1907.	Casmey, William Herbert	Woodthorpe Cottage, Milnthorpe, Wakefield.
1905.	Casson, Robert	28 Queen's Road, Urmston, Man- chester.
1904.	Casson, William	Central London Rly., Caxton Rd., Shepherd's Bush, W.
1909.	Castle, Frank	Messrs. Cadbury Bros., Bournville, Birmingham.
1894. G 1899. A.M	f.) CATER, JOHN MCILVAINE	[27 Clement's Lane, E.C. [Inbrake, London. 5735 Central.]
1900.	CATMUR, THOMAS STUCLEY	The Rookery, London Rd., Brom- ley, Kent.
1910.	Caton, William Eames	Derby Gas Light and Coke Co., Friar Gate, Derby.
1903.	CAVE, WILLIAM HENRY	Saucel Bank, Paisley.
1904.	CAWTHRA, JAMES HERBERT	(Boro' Electrical Eng., Corpn. Electricity Works, South Shields.
1905. G 1906. A.M	CHADWICK GWODOR HEDDRON	Loco. Works Manager, Peruvian Central Rly., Lima, Peru.
1904.	CHADWICK, RICHARD	Supt. of Rolling Stock, Corpn. Tramways, Laird St. Depôt, Birkenhead.
1895.	CHALLENGER, GODFREY RICH-	Messrs. John Jameson & Son, Bow St. Distillery, Dublin.

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1910.	CHALLINER, CHARLES SMITH	General Manager, Shrewsbury & Challiner Tyre Co., Kay St., Ardwick Green, Manchester.
1910.	CHALLONER, FRANK BICKER-	Maybell Avenue, Blackpool.
1910.	CHALMERS, JOHN REID	Messrs. Bulloch Brothers & Co., Rangoon, British Burma.
1910.	CHALMERS, THOMAS WIGHTMAN	33 Norfolk St., Strand, W.C.
1902. G. 1905. A.M.	CHAMBERS, EDWARD HAWARD	Managing Director, Messrs. Bullers, Tipton.
1907.	CHANDLER, FRANK ASHTON	Negnie Novgorod Flax Mill, Negnie Novgorod, Russia.
1902.	CHANNON, PHILIP PERCIVAL	Eng., Haywards Heath District Gas Co., Mill Green Rd., Hay- wards Heath.
1907.	CHAPMAN, EDWIN	Westminster Electric Supply Corpn., Davies St. Central Stn., Oxford St., W.
1899.	Chapman, Samuel	5 Carr St., Blackfriars St., Man- chester.
1907.	CHARLTON, HENRY JOHNSON	Assist. Carr. & Wagon Supt., North Western Rly., Lahore, India.
1903.	(Charnock, Clement Joseph (Life Associate Member)	Serpoukhoff, Moscow Govt., Russia.
1904.	CHARNOCK, HARRY HORSFIELD	Managing Director, Messrs. Vicoul Morosoff & Sons, Orehovo, near Moscow, Russia.
1905.	CHARNOCK, JOHN AITON	10A Summer Row, Friday Bridge, Birmingham.
1902. G. 1907. A.M.	CHATFIELD, KYRLE RUDSTON	76 Cornwall Gardens, South Kensington, S.W.
1910.	CHAVIARA, JOHN NICHOLAS	Scottish Provident Bldgs., 25 Castle St., Liverpool.
1000	(CHEFFINS, HAROLD WILLIAM)	
1899.	Joshua	5 Marine Parade, Seaford, Sussex.
1903.	CHILD, JOHN	44 Blythswood Rd., Goodmayes, Ilford.
1904. G.) 1906. A.M.	CHILD, PERCY DOUGLAS	Perry Wood, Woodbridge Hill, Guildford.
1910.	CHIPPERFIELD, WALTER	Works Manager, Messrs. Roneo, Roneo Works, Romford.
1908.	Снізноім, Јони	Eng. and Manager, Airdrie, Coatbridge and District Water Trust, Water Trust Bldgs., Airdrie.
1909.	CHITTENDEN, JOHN FRANKS FREDRIC THOMAS PICTON	Messrs. Willans and Robinson, Victoria Works, Rugby.
1908.	CHIVERS, FRANCIS ERIC	Messrs. Gröndal Kjellin Co., 20 Abchurch Lane, E.C.
1903.	CHIVERS, FRANK EVANS	Beberibe Water Works, Pernam- buco, Brazil.
1900.	CHORLEY, RICHARD	Technical School, Stockport.
1910.	CHRISTIAN, EDWARD ALAN	Mersey Rly. Co., Central Station, Birkenhead.
1903.	(CHRISTIANSEN, ADOLPH GOTH- ARD, Jun)	43 Maddox St., Choolai, Madras.
1903.	CHRISTIANSEN, ALBERT GEORGE	Manager, Messrs. Garlick & Co.,
1904.	CHRISTMAS, EDWIN BOSSWARD	Jacob's Circle, Bombay. 39 Burnt Ash Rd., Lee, S.E.

114	ASSOCIATE M	EMBERS. 1911		
Date of Election	Date of Election.			
1900. G.) 1906. A.M.)	CHUBB, HARRY EMORY	Greenford Green, Greenford, Southall.		
1904. G.) 1906. A.M.)	CHUTE, MERVYN LYDE	London Traffic Branch, Board of Trade; and Sudbury Farm House, nr. Harrow.		
1905.	CLACHER, THOMAS	Messrs. Henry Tate & Sons, Silvertown, E.; and 50 Valentines Rd., Ilford.		
1905.	CLAPHAM, FREDERICK THOMAS	Chief Eng., Messrs. Willey & Co., Exeter.		
1906.	CLAPHAM, JOHN PEELE	Auldsteds, Emm Lane, Heaton, Bradford.		
1900. G.) 1905. A.M.	CLAPHAM, THOMAS ALBORN	Wellington Foundry, Keighley.		
1896.	CLARE, ERNEST	Messrs. Sidney Straker & Squire, Nelson Sq., Blackfriars, S.E.		
1904.	CLARET, WILLIAM EDWARD	326 Philip Lane, S. Tottenham, N.		
1908.	CLARK, ALBERT BERNARD	Fairoak, 8 Granville Gardens, Ealing Common, W.		
1909.	CLARK, ALEXANDER GRAHAM	153 Melrose Avenue, Wimbledon Park, S.W.		
1910.	CLARK, ARTHUR	L.C.C. Pumping Station, Abbey Lane, Stratford, E.		
1909. 1906.	CLARK, FRANK WILLIAM	24 South St., Greenwich, S.E.		
1905.	CLARK, HERBERT ADE	2 Myrtle Rd., Wombwell, Barnsley. Northern Polytechnic, Holloway Rd., N.		
1902. G. 1903. A.M.	CLARK, HUBERT CHARLES	Westgate, Stoke Park, Coventry.		
1894.	CLARK, JAMES LESTER	Messrs. Eckstein & Co., Johannes- burg, Transvaal.		
1906.	CLARK, LEONARD KNIGHT	New York Transportation Co., 8th Ave. and 49th St., New York, U.S.		
1909.	CLARK, ROBERT	Stirling Boiler Co., 58 Victoria St., Westminster, S.W.		
1902. G.) 1906. A.M.	CLARK, ROBERT GEORGE	(27 Kimberley Rd., Roath Park, Cardiff.		
1899.	CLARKE, ARTHUR LAVER	Gas Eng., Gas Wks., Maldon, Essex. Messrs. Marshall, Sons & Co., Britannia Iron Works, Gains-		
1910.	CLARKE, ASHFORD VINCENT	borough.		
1908.	CLARKE, GEORGE EDGAR	Harbour and Dock Engineer, Municipal Bldgs., Boston.		
1910.	CLARKE, HENRY	Messrs. George Mills & Co., Globe Iron Wks., Radcliffe, Manchester.		
1909.	CLARKE, JAMES THOMAS	3 York Street, Manchester. (Works Manager, Messrs. Isaac		
1906.	CLARKE, THOMAS	Andrews & Sons, Belfast Mills, Belfast.		
1905.	CLARKSON, SYDNEY SAMUEL	4 Whitworth Terrace, Rusholme, Manchester.		
1908.	CLARKSON, WILLIAM ALAN	Casilla 812, Valparaiso, Chile.		
1895.	CLATWORTHY, WALTER AN-	40 Sanderson Rd., Newcastle-on- Tyne.		
1904.	CLAXTON, HAROLD	P.W.D., Khartoum, Sudan, Egypt.		
1908.	CLAYDEN, HAROLD WILLIAM	Main Reef Mines, P.O. Box 2, Maraisburg, Transvaal.		
1905.	CLAYTON, CHARLES HENRY			

		(Tranmere Bay Development Co.,
1902.	CLAYTON, MELVILLE GRAHAM	Birkenhead; and Sunnydale, St. George's Rd., Wallasey, Cheshire.
1904.	CLEGG, ROBERT INGHAM	410 Caxton Bldg., Cleveland, Ohio, U.S.
1910.	CLEGG, THOMPSON	Messrs. Spencer & Co., Melksham.
1908.	CLEGHORNE, WILLIAM SHAW	Transvaal University College, Johannesburg, Transvaal.
1910.	CLEMENTS, FRED	The Quintas, Spital, Chesterfield.
1905. G.)	CLENCH, EDWARD CLAUDE	Aster Engineering Co., Wembley,
1911. A.M., 1892. G.)	SHAKESPEARE CLEVERLY, WILLIAM BAR-	S.O., Middlesex. Stourbridge Water Works, Coal-
1901. A.M.	THOLOMEW	bourne Brook, Stourbridge.
1901. G. 1906. A.M.	CLIFF, THOMAS PERCY BARLOW	Casilla 244, Valparaiso, Chile.
1901.	CLIFTON, WILLIAM GEORGE	Messrs. Defries & Sons, 147 Houndsditch, E.C.
1905.	COATES, ALBERT FREDERICK	Engineer's Dept., Imperial Tobacco Co., Bristol.
1898.	COBBOLD, ARTHUR WESTHORP	2D Morgan Mansions, Highbury, N.
1906.	COCHRANE, JAMES	Engineer's Office, Docks, Cape Town, Cape Colony.
1909.	Cockburn, George Wilfrid	Yangtse Engineering Works, Han- kow, China. Via Siberia.
1910.	COLBOURNE, James, Jun	125 West Sixty-third St., New York, U.S.
1901.	COLBOURNE, THOMAS SALMON	Alexandra Foundry, Barnstaple.
1910.	Cole, Charles Eric	42 Waterdale, Doncaster. (Messrs. G. Hopkins & Sons (Clerk-
1906.	Cole, James Matthew	enwell) Ltd., St. John St., Clerkenwell, E.C.
1905.	Cole, William Lawes	Messrs. W. & L. Cole, Lawton Rd., Mile End, E.
1904.	Coleridge, Henry Hill	Erica House, Customs St., Kimberley, S. Africa.
1908.	Coley, Ernest	Messrs. Royce, Ltd., Trafford Park, Manchester.
1909.	Colledge, Alexander	General Manager, Messrs. Fraser & Chalmers, Singapore, Straits Settlements.
1910.	Collinge, John	Salford Corpn. Generating Station, Frederick Rd., Pendleton, Man- chester.
1910.	COLLINGRIDGE, WILLIAM	
2010.	( BYRNE	de Maurice, Rose Belle, Mauritius. (Westminster Electric Supply
1907.	Collingwood, Alfred	Westminster Electric Supply Corpn., Eccleston Place, Eccles- ton St., Belgravia, S.W.
1910.	Collinson, Francis Edward	Locomotive Dept., North Eastern Railway, Tweedmouth, Berwick.
1902.	COLLYER, PERCY NICHOLSON	Messrs. Albright & Wilson, Old- bury, Birmingham.
1909.	Colson, John St. Clair	The Piccadilly Hotel, Regent St., W.
1903.	COLTMAN, WALTER WILLIAM	(Central Boiler Wks., Loughborough. [Boilers, Loughborough. 51.]
1996.	COMERFORD, EDWARD	Rathdrum, Co. Wicklow.
1907.	Condon, Thomas Cecil	Govt. Central Press, Calcutta.
1895. G.) 1897. A.M.	CONNELL, WILLIAM PERCIVAL	(Bella Vista 30, Minas de Rio Tinto, Huelva, Spain.

Date of Election	le .	
1906.	CONRADI, CHARLES GUTHRIE	Loco. Dept., Mid. Rly., Derby. (General Manager, Messrs. James
1908.	COOK, GEORGE HENRY	Walker & Co., Lion Works, Garford St., Poplar, E.
1908.	Cook, Herbert Maurice	Cook's Motor Engineering Works, Brighton Rd., Horsham.
1903. G.) 1906. A.M.)	00011,001111111111111111111111111111111	Messrs. Brunner, Mond & Co., Northwich.
1903. 1900. G.)	COOKE, FREDERICK WILLIAM COOKE, Eng. Lieut. STANLEY)	Trereife, 28 Park Rd., Rugby. H.M.S. "Dreadnought," c/o Post-
1906. A.M. § 1905.	WALTER, R.N	master General, E.C. North St., Downend, Bristol.
1903.	Coombes, Thomas	Manager, Messrs. Harding, Market St., Torquay.
1906. G.) 1910. A.M.	COOPER, ALBERT GEORGE WARNER INERD	Chief Res. Eng.'s Office, G. W. of Brazil Rly., Pernambuco, Brazil.
1904.	Cooper, Arthur	Messrs. Ransomes, Sims & Jefferies, Orwell Works, Ipswich.
1906.	COOPER, EDWARD STAPLE FOXEN	L.C.C., County Hall, Spring Gardens, S.W.
1901. G.) 1906. A.M.)	COOPER, GEORGE SETON HAL-	Chief Eng., S. African Breweries, Pietermaritzburg, Natal.
1907.	COOPER, HARRY CLAUDE	P.W.D., Cape Town, Cape Colony.
1905.	COOPER, JOSEPH ALBERT	Hyderabad, Scinde, India.
1907.	COOPER, VERNON	75 Alleyn Park, Dulwich, S.E. (British Engine, Boiler and Elec-
1901.	Cooper, William James	trical Insurance Co., 12 King St., Manchester.
1910.	CORNS, SAMUEL WILLIAM	Metropolitan Rly., Neasden Works, Neasden, N.W.
1899.	CORRIE, JOHN BRADFORD	[15 Victoria St., Westminster, S.W. [Correlate, London. 3400 Gerrard.]
1903.	COSTER, WILLIAM WALLACE	Glencoe, Onslow Gardens, Wallington, Surrey.
1904. G.) 1909. A.M.)	COTESWORTH, CUTHBERT GIL-	
1902.	COTSWORTH, HALDANE GWILT	Mining and District Technical College, Wigan.
1901. 1902.	COUCH, RICHARD ERNEST COUESLANT, LEOPOLD DANIEL	Finsbury Pavement House, E.C. The Technical College, Sunderland.
		General Engineering College, 2 Penywern Rd., Earl's Court,
1902.	Coulson, Horace Ernest	S.W.; and 238 Wandsworth Bridge Rd., Fulham, S.W.
1908.	COULSON, RICHARD HEDLEY	Sir B. Samuelson & Co., Newport Iron Works, Middlesbrough.
1904.	COULTON, IVOR BERTIE	Fabrica Colon, Entre Rios, Arg. Rep.
1904.	COURTS, WILLIAM CHARLES	The Elgin Mills Co., Cawnpore,
1905.	COUTTS, DAVID ALEXANDER	India. 94 Queen's Road, Aberdeen.
1894.	COVENTRY, THEODORE	Gresley Iron Works, Ordsal Lane, Salford, Manchester. [Gresley, Manchester. 564.]
1900. G.)		Ebley, Stroud, Glos.
1903. A.M.) 1909.	COWELL, RICHARD ARTHUR	British Westinghouse Co., Trafford Park, Manchester.

1906. G. 1910. A.M.	Cowie, John Robert	Corpn. Electricity Dept., 75 Water- loo St., Glasgow.
1905.	COWLEICK, FRANCIS GERMAN	Messrs. Babcock & Wilcox, Apar-
1505.		tado 379, Madrid, Spain. British Westinghouse Co., Trafford
1904.	COX, KENNETH ROBERT	Park, Manchester.
1902. G.)	Cox, LIONEL MAIDSTONE)	26 Vicarage Road, Rugby.
1905. A.M.	RUSSELL)	(c/o Baron L. Knoop, Machinery
1907.	COX, MARTIN	Dept., Ilinsky Vorota, Moscow, Russia.
1910.	COX, REGINALD CHARLES	86 Kenilworth Avenue, Wimbledon.
1910.	COYLE, JOSEPH WESTON	20 Sion Hill, Clifton, Bristol.
	CRANSWICK, CHARLES TENNY-	Messrs. Marshall, Sons & Co.,
1910. A.M. J 1911.	CRAVEN, ARTHUR DOUGLAS	Bezwada, Madras Pres., India. Leeds Forge Co., Leeds.
1905.	CRAVEN, JOHN ERNEST HOLDS-	Messrs. Rudman, Lancey & Craven,
	WORTH	St. James' Works, Taunton.
1908.	CRAWFORD, JAMES FORRESTER	9 Dorset Sq., Marylebone, N.W. (Washington Foundry, Cherry Lane,
1900.	CRAWFORD, JOHN FORCER	Walton, Liverpool. [Ferro, Liverpool. 97 Walton.]
1909.	(CREAGH, EDWARD ROBERTS)	Port Said, Egypt.
2000.	( ANDREW)	Public Works Dept., Colombo,
1907.	CREASY, HAROLD THOMAS	Ceylon.
1910.	CREER, ALFRED DOUGLAS	Guildhall, York.
1904.	CREIGHTON, HENRY	Reynolds Rd., Old Trafford, Man- chester.
1904.	CREW, MALCOLM HILLIER	S.E. & C. Rly., Longhedge Works, Battersea Park, S.W.
1908.	CRIDLAN, JOHN LIONEL	Oakdene, St. Stephen's Rd., Eal-
1909.	CRICCAL TOWN FRIEND	ing, W. 67 Bath Rd., Wolverhampton.
1907.	CROASDELL, JAMES FREDERICK	Courtsole, Cliffe-at-Hoo, Rochester.
1903.	CROCKER, CLAUDE EDWARD	Manager, Kalgoorlie Electric Light and Power Corpn., Kalgoorlie,
		W. Australia.
1906.	CROCKER, ERNEST GEORGE	H.M.Naval Establishment, Rosyth, Fife.
1901. G.) 1904. A.M.	CROFT, FRANK	Great Northern Works, Leeds Rd., Bradford.
1908.	CROOKES, JAMES HARDIE	Messrs. Crookes, Roberts & Co.,
1008	C	Argus Works, Sheffield. (Civil and Military Hotel, Lucknow,
1907.	CROSBIE, ALFRED	India.  [2 Collingwood St., Newcastle-on-
1905.	CROSIER, EDWARD JAMES	Tyne; and East Boldon, by Newcastle-on-Tyne.
1905.	CROSS, EDWARD	Boro' Electrical Eng., Electricity Works, Rawmarsh Rd., Rother-
		ham.
1904.	CROSS, JAMES WILLIAM	Newlands, Ditton Hill, Surbiton, Surrey.
1905.	CROSS, REGINALD THOMAS	Khoreel Tea Estate, Cachar, India.
1903. G.)	,	(27 Northfield Rd., King's Norton,
1904. A.M.)	CROSS, WILLIAM MARK	Birmingham.
		1

		(Managing Director, Messrs. W. & J.
1904.	Crossley, John	Player, Lionel St., Birmingham; and Stanley House, Stanley Rd., Nechells, Birmingham.
1907.	CROSSMAN, JAMES EDDY	Loco. Supt., Zafra & Huelva Rly.,
	THISTLETON	Huelva, Spain. c/o H. M. Rogers, 70 Merchant's
1896. G.) 1901. A.M.	Crow, Lewis	Exchange, Cardiff.
1903.	CROWTHER, HARRY	Exchange, Cardiff.  Res. Mech. Eng., Water Works,
1500.	GROWTHER, HARRY	Pembury, Tunbridge Wells.
1902.	CRUDDAS, WILLIAM JOHN	Messrs. A. Goerz & Co., P.O. Box 1156, Johannesburg, Trans- vaal.
1909.	CRUICKSHANK, ANDREW	Central Technical College, Exhibition Road, S.W.
1910.	CRUICKSHANK, FRED GEORGE WHYTE	Messrs. Henry Simon, 124 Calle Defensa 148, Buenos Aires, Arg.
1899. G.)	CRUICKSHANK, GEORGE SEY-	Messrs. Arnhold Karberg & Co.,
1900. A.M.)	MOUR	Tientsin, China.
1904. G.) 1906. A.M.	CRYER, JAMES WILFRED	63 Bradford Rd., Bolton.
1900. A.III.)		(Talisman Consolidated Ltd., Ka-
1909.	Cull, John Ernest Lelliott	rangahake, Auckland, New Zealand.
1908.	CUMMING, WILLIAM MILLIGAN	Messrs. Alfred Herbert, 224 Yama- shita-cho, Yokohama, Japan.
1901.	CUMMINS, REGINALD ERNEST	54 Leinster Sq., Bayswater, W.
1899.	CUNLIFFE, TOM ARTHUR	88 Chancery Lane, W.C.
1907. G.) 1910. A.M.	CUNLIFFE, WILLIAM WHITMORE	Messrs. Hughes and Lancaster, Ruabon.
1908.	Cuny, Terence	c/o T. Sharples, 5 Marine Lines, Fort, Bombay.
1908.	CURRIE, RICHARD SEDGWICK	76 Salusbury Rd., West Kilburn, N.W.
1903.	Curtis, Ivor, R.N	Harscott, Westcombe Park Rd., Blackheath, S.E.
1895.	Cust, Leopold	Gas Traction Co., 22 Chancery Lane, E.C.; and Broome, Fleet, S.O., Hants.
1907.	CUTHBERT, HAROLD PARKER	Greville, Warwick Rd., Olton, Birmingham.
1908.	CUTTELL, JOHN HUBERT	c/o R. Wallis, Notch Hill Ranch, Nanoose Bay, Nanaimo, B.C.
		( Nanoose Day, Nanamio, D.O.
1902.	DABELL, ALEXANDER FRANK	( D. IVUSSIA.
1908.	DADABHOY, HORMASJEE RAT-	Cumballa Hill, Bombay.
1905.	DALBY, WILLIAM ERNEST	Loco. Dept., G.N. Rly., Grantham.
1910.	Dale, John	Rasidpur P.O., A. B. Railway, India.
1909.	Dale, Robert Davidson	Corporation Chambers, 121 Colmore Row, Birmingham.
1904.	DALTON, WILLIAM THOMAS	Corpn. Tramways, Manors, New- castle-on-Tyne.

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		(Chief Mech. and Electrical Eng.,
1010	DALZELL, HAROLD EDWARD	F. C. de Gá La Paz y Navigation
1910.	DALZELL, HAROLD EDWARD	Lago Titicaca, Casilla 280, La
		Paz, Bolivia.
1010	TD	(Bungalow, South Phœnix Mine,
1910.	Daniel, John	near Liskeard.
		Messrs. John Fowler & Co., Steam
1904.	DANIEL, WILLIAM HENRY	Plough and Locomotive Works,
2001	Daniell, William Library	Leeds.
1903.	DARBY, ARTHUR ERNEST	Town Hall, Church Row, Bethnal
1000.	DARSI, ARIHUR DRAKSI	Green N.E.
		Green, N.E.
1900.	DARKER, ALFRED HENRY	Messrs. J. Stone & Co., Dept-
1908.	Diprova Howay	ford, S.E.
	DARLING, HENRY	Guildhall, Oswestry.
1904.	DAVENPORT, JOHN ALFRED	20 North John St., Liverpool.
1894.	(Davey, Edward Ernest)	192 Regent's Park Rd., N.W.
1909.	David, George Carmichael	43 Albany Terrace, Dundee.
	(Davidson, Capt. ALEXANDER)	
1906.	ELLIOTT, R.E	War Office, Whitehall, S.W.
	( Eddford, 10.12)	(Messrs. Browett, Lindley & Co.,
1898.	G.) DAWINSON TOWN	Patricroft, Manchester; and
	A.M. DAVIDSON, JOHN	
1301.	А.Ш.)	Westleigh, Devonshire Rd., Pen-
		dleton, Manchester.
1909.	DAVIDSON, ROBERT RAMSAY	Anglo-Persian Oil Co., Mohamme-
		rah, Persian Gulf.
1903.	DAVIE, JAMES PATERSON	Mirrlees Watson Co., Scotland St.,
1000	<i>a</i> >	(Masgow.
1903.	IN TIRE ( VDTT. H:DNIVER	Messrs. W. H. A. Robertson & Co.,
1907.	A.M. S DAVIES, CIRIL BAREST	Lynton Works, Bedford.
1001	D II II	148 Finsbury Pavement House,
1901.	Davies, Francis Edward	E.C.; and 51 Tregunter Rd.,
		S. Kensington, S.W.
1904.	DAVIES, WILLIAM DAVID	35 and 36 Wind St., Swansea.
1001	Daviss, William David	[Advance, Swansea. 570.]
	(DAVIS, CHARLES RICHARD	Messrs. Reunert & Lenz, P.O.
1903.	1 Contractor	Box 92, Johannesburg, Trans-
	( STANLEY	vaal.
		Rapidising Engineering Works,
1004	Divisa Wassers Lineau	Great Eastern Rd., Stratford,
1904.	DAVIS, EDMUND JAMES	E. [Rapidising, London. 1350
		East.
1903.	G.) D Flance	(Locomotoras, Pergamino, F.C.B.A.
	A.M. DAVIS, FRANK	& R., Argentine Republic.
1899.	G )	Molassine Co., Tunnel Avenue, East
	A.M. DAVIS, HARRY CHARLES	Greenwich, S.E.
2000.	41.011.	
1908.	Davis, Thomas Jessop	St. John's Iron Works, Ennis-
		corthy.
		Chief Eng., Economical Gas
1907.	DAVISON, EDWARD JAMES	Apparatus Construction Co., 19
		Abingdon Street, Westminster,
		S.W.
1909.	DAVISON, ERNEST GRAY	Messrs. Talbot & Davison, 34 West
1901.	G.) D. W.	61st Street, New York, U.S.
	DAVSON CVRIT, WERE	42 Lansdowne Crescent, Notting
1503.	A.M.	Hill, W.
1905.	DAVSON, SIMON SILVER	The Municipality, Alexandria,
		Egypt.

1902.	Dawbarn, Reginald Proctor	(c/o Señor Don J. A. Villalonga, Administrador General F. C. Gran Oeste Argentino, Mendoza,
		( Arg. Rep. (Boldrewood, Worple Rd., Wimble-
1906.	DAWE, PHILIP HENRY	don.
1910.	DAWSON, HENRY DE BROCA	4 Den Crescent, Teignmouth.
1901.	Dawson, Henry Watson	[Parr's Bank Bldgs., 3 York St., Manchester. [Axiom, Manchester. 3984 City.]
1910.	Dawson, Ralph Currey	Purdy Engineering Co., Apartado 750, San José, Costa Rica. (Director of Studies, Science Art
1890. A.1 1893. A.M.	Day, Arthur Godfrey	and Technical Schools, Guildhall, Bath.
1899.	DAY, CLAUD ALBERT STAINTON	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.; and 9 Grove Terrace, College Rd., Isle- worth.
1903.	DEAKIN, GEORGE WELSBY	61 Burnley Rd., Edenfield, Man- chester.
1899. G.) 1901. A.M.	DEAN, GEORGE	Warblington, Havant.
1909.	DEER, GRAHAM GEORGE	Rio Tinto Co., Copper Works, Port Talbot.
1901.	DELACOUR, HARRY MARK	(c/o J. M. Dewar, 4 Lloyds Avenue, Fenchurch St., E.C.
1905.	DELL, FRANCIS ALBERT	62 Canterbury Rd., West Croydon.
1904.	DELUCE, SAMUEL ALFRED NELSON	Genl. Manager, Messrs. W. T. Ellison & Co., Irlams-o'-th'- Height, Manchester.
1901. G.) 1903. A.M.)		26 Newton Rd., Bayswater, W.
1909.	DENNISS, ARTHUR WORKMAN	(Iroland) Dundally, G.N. Rly.
1904.	Derbyshire, John	(Ireland), Dundalk. (Victoria Coal and Coke Co., Southgate House, Wakefield.
1906.	Devey, Arthur Charles	British Insulated and Helsby Cables, Lennox House, Norfolk St., W.C.
1899.	DE VILLE, MARTIN	Ocean Accident and Guarantee Corpn., 36-44 Moorgate St., E.C.
1907.	DEW, JAMES WALTER HENRY	100 Rusthall Avenue, Chiswick, W.
1904.	DEW, JOSEPH TURNER	St. John's, Antigua, West Indies.
1903.	DEWHIRST, JAMES	Eng. and Surveyor, Chelmsford Rural Dist. Council, Bank Chbrs., Chelmsford.
1903.	DEWS, JAMES WALTER	Munic.Technical College, Bradford.
1901.	DICKINSON, HENRY WINRAM	The Science Museum, South Kensington, S.W.
1901.	DIGBY, WILLIAM POLLARD	28 Victoria St., Westminster, S.W. [666 Victoria.]
1905.	DIMMACK, ARTHUR	Eng., Boro' Electricity Works, Swindon.
1910.	DIXON, HENRY ALEXANDER	Colombo Commercial Co., Colombo,
1902.	Dixon, John	Ceylon. 219 St. Vincent St., Glasgow.

1910.	DIXON, JOHN DANIEL	Messrs. Siemens Bros., Dynamo Works, Caxton House, Tothill St., Westminster, S.W.
1908.	DIXON, WILLIAM	City Engineer's Office, Municipal Bldgs., Leeds.
1898.	DOBBS, HERBERT TREADWIN	14 Dumfries Place, Cardiff.
1904.	Dobson, Benjamin Palin	Kay Street Machine Works, Bolton. [Dobsons, Bolton. 43.]
1899.	Dodridge, Frederick	c/o Eng. Manager's D.O., North Yard, Devonport; and Beechcroft House, Amherst Rd., Plymouth.
1906.	Dommen, Edouard	Manager, Nestlé and Anglo-Swiss Condensed Milk Co., Tutbury, Burton-on-Trent.
1904. 1902.	Don, John	Carrick Academy, Maybole. 93 Tressillian Rd., Brockley, S.E.
1906.	Donaldson, James Alexander	Messrs. Babcock & Wilcox, 29 St. Vincent Place, Glasgow.
1898.	Donne, Frederick Edward Mowbray	Loco. Dept., Mid. Rly., Nottingham.
1907.	Donnison, Ernest George	Twycross, Lovelace Rd., Surbiton, Surrey.
1906.	DORLING, HORACE NORMAN	Fabrica Liebig, Fray Bentos,
1903.	Dougill, Alfred Henry	Uruguay. 25 and 26 Lime St., E.C.
1891. G.	Douglass, Alfred Edwards	South Staffs. Water Works, Paradise
1895. A.M.) 1902. G.		St., Birmingham. 32 Fenchurch St., E.C. [Outcoming,
1904. A.M.	Dow, Harold Percy	London. 3904 London Wall.]
1911.	DOWELL, HERBERT	Bessbrook Spinning Co., Bessbrook, Co. Armagh.
1900. G. 1902. A.M.	Down, Percy Bissett	Rees Roturbo Mfg. Co., Wolver-hampton.
1896.	{Dowson, Erasmus Charles}	29 Tranby Ave., Toronto, Ont., Canada.
1905.	Dowson, Ernest Alfred	45 Newhall St., Birmingham.
1898.	Dowson, Robert Manning	New Club, Johannesburg, Transvaal. (Works Manager, Messrs. William
1909.	Doxford, Arthur	Doxford & Sons, Pallion Yard, Sunderland.
1908.	DRABBLE, HAROLD MONT-	Eng. Supt., Lanadron Rubber Estates, Muar, viâ Singapore, Straits Settlements.
1906.	DRAKE, ARTHUR PENRHYN	83 Ingram Rd., The Park, Sheffield.
1901. 1895. G.	DRAYCOTT, GEORGE EDWIN	Borough Road Polytechnic, S.E.
1900. A.M.		Engineering Standards Committee, 28 Victoria St., S.W.
1908.	DREW, ERNEST HENRY	Messrs. Burt, Dunedin, New Zealand.
1900.	DREWITT, WILLIAM HENRY	Messrs. J. & P. Coats, Ferguslie Thread Works, Paisley.
1904. 1907.	DRINNAN, JOHN	Glen Cairn, Handsworth, Sheffield. Bikanir, Rajputana, India.
1908.	{DRURY, HARRY JAMES HUT-}	4 Priorton Terrace, Swansea.
1904.	DRURY, HENRY WILLIAM COLLINS	Dist. Loco. Supt., G. E. Rly., Doncaster.
1909.	DRYBURGH, ALEXANDER PHILIP	Messrs. Joshua Buckton & Co., Well House Foundry, Leeds.

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122	ASSOCIATE ME	MBERS. 1911.
Date of Election		
1896. G.) 1902. A.M.)	DRYDEN, WILLIAM	Grimshaw Street Foundry, Preston.
1908.	Du Cane, Charles George	409 Carter Cotton Bldgs., Van- couver, B.C.
1906.	Dudin, John Percy	L.C.C. Electric Power Station, East Greenwich, S.E.
1903. G.) 1909. A.M.)	DUFF, PHILIP JOHN	(c/o Harbour Commission, Mont- real, P.Q., Canada.
1903.	Duke, Reginald Francis	Ferry Wharf Works, Littlehampton. [Dando, Littlehampton. 6.]
1907.	Dumbell, James Burns	Turner's Motor Manufacturing Co., Wulfruna Works, Lever St., Green Lane, Wolverhampton.
1903.	Dunkerton, Ernest Charles	(53 Grosvenor Place Newcastle on-
1904.	Dunn, James	Engineering Dept., Leeds Technical School, Cookridge St., Leeds.
1908.	DURNFORD, THOMAS JOY	Loco. Dept., Great Southern Railway, Buenos Aires, Arg. Rep.
1908.	DUTTON, CHARLES HENRY	Fort Prospect, Limerick.
1906.	DUTTON, FRANK HENRY	(Chief Engineer's Office, C.S.A. Rlys., Johannesburg, Transvaal.
1907.	Duus, John Henry	(c/o Thomas Kershaw, 170 Sanno- miya-cho, 1 chome, Kobe, Japan.
1903.	Eades, John, Jun	11 Mansfield Chbrs., St. Ann's Sq., Manchester.
1901.	Eastlake, Arthur William	( nam Hill, S.W.
1910.	Easton, Robert Scott	Messrs. G. Gahagan & Co., 271 Bellasis Rd., Byculla, Bombay.
1902.	Eaton, George Henry	18 Broxash Rd., Clapham Common, S.W.
1906.	ECKART, WILLIAM RANKINE,	1125 Ramona St., Palo Alto, Cal., U.S.
1907.	EDGCOMBE, WILLIAM EDWARD	3 Queens Rd., Jamalpur, India.
1903.	Edge, Thomas	Controller's Dept., Room 100, Old Bldg., Admiralty, Whitehall, S.W.
1900.	Edleston, Alfred Edward	Mond Nickel Co., Clydach-on-Tawe, Glamorgan.
1893.	Edmondson, Alfred Richard, M.Sc.	The Oaks, Moss Lane, Timperley, Altrincham.
1908.	Ednie, John	Woollen Mills, Cawnpore, India.
1904.	EDWARD, FRANK	80 Cecile Park, Crouch End. N.
1896. G.) 1899. A.M.	EDWARDS, JAMES GEORGE BENJAMIN	Principal, Municipal Technical School, Portadown.
1900. G.)		Messrs. Hughes & Lancaster,
1906. A.M.)	Edwards, John	Casilla 448, Concepcion, Chile.
1908.	Edwards, John Basil	St. Francis Hotel, Vancouver, British Columbia,
1905.	Eggers, Hermann Fredric	

1906. G. Heberne, Edward Mitchell Messrs. Willans and Robinson, 1910. A.M. Elborne, Edward Mitchell Messrs. Willans and Robinson, Prince of Wales Dock, Swansea. Kingshott, Fernhurst, Haslemere, Surrey.

1904. G. 1907. A.M. ELLINGTON, NOEL BAYZAND . Hydraulic Engineering Co., Chester.

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1904.	Elliott, George Henry	Oakhurst, 6 Benson Rd., Forest Hill, S.E.
1905.	ELLIOTT, STANLEY HERBERT	Oficina Ballena, Lautaro Nitrate Co., Taltal, Chile.
1903.	ELLIS, BERNARD PEMBERTON	Messrs. Rendel and Robertson, 13 Dartmouth St., Westminster, S.W.
1907.	Ellis, Harry Stephenson	Corpn. Electricity Dept., Whitaker Bldgs., Victoria Sq., Bradford.
1904.	Ellis, Jesse, Jun	10 Manville Rd., Upper Tooting, S.W.
1905.	Ellison, William Thomas	172 Bolton Rd., Pendleton, Manchester.
1909.	ELTON, ERNEST FREDERICK	Town Custom House, Bombay.
1906.	ELTON, SYDNEY GEORGE	Messrs. James Simpson & Co., 10 Clive St., Calcutta.
1899. G.) 1902. A.M.)	EMBLETON, CHARLES ARNOLD	(c/o George Cawley, 82 Victoria St., Westminster, S.W.
1901. G.) 1905. A.M.	EMERSON, WILLIAM ALEX-	Loco. Dept., G. N. Rly., New England, Peterborough.
1897. G. 1904. A.M.	EMERY, JAMES INMAN	Messrs. Emery & Cox, Bideford Motor Works, Bideford.
1910.	EMPSON, ALFRED WALKER	Poste Restante, G.P.O., Calcutta, India.
1905.	ENGHOLM, ALEXANDER GOLDIE	104 Newhall St., Birmingham.
1905.	English, Robert	Eng., Christchurch Gas Co., Christchurch, New Zealand.
1900. G.) 1902. A.M.	EPPS, LAURENCE GEORGE	95 Upper Tulse Hill, S.W.
1909.	ERITH, CHARLES	Erith's Engineering Co., 70 Grace- church Street, E.C.
1902.	ERMEN, GEORGE	Wardry Works, 152–156 Chapel St., Salford, Manchester.
1902.	ESPEUT, REGINALD WILLIAM	Sierra Leone Rly., West Africa.
1908.	ESSEX, ERNEST HENRY	Town Hall, Leyton, E.
1902.	ETCHELLS, ERNEST FIANDER	Building Act Office, L.C.C., Spring Gardens, S.W.
1897. G.)	ETLINGER, GEORGE ERNEST	Messrs. John Birch & Co., 3
1903. A.M. 5 1900. G.)		London Wall Bldgs., E.C. (British Syphon Co., Barnsbury
1907. A.M.)	EUGSTER, OSCAR	Works, Barnsbury St., N.
1906.	Evans, Ernest Alfred	Govt. Rlys., Midland Junction, Western Australia.
1907.	Evans, Frederick Edward	76 Hazelbank Rd., Hither Green, S.E.
1908.	Evans, James Humphrey	St. Cuthbert, Norton Rd., Wembley, S.O., Middlesex.
1905.	Evans, William	Messrs. Harland & Wolff, Engine Works, Belfast.
1901. G.) 1904. A.M.)	EVERETT, GEORGE ELIOT	(Itarsi Nagpur Rly., Budnoor, Betul District, C.P., India.
1909.	EVERITT, HAROLD WILLIAM	Res. Electrical Eng., Urban District Council, Electricity Works, Clacton-on-Sea.
1901.	EVETTS, WILLIAM, Jun	c/o Genl. Manager, Govt. Rlys.,
1909.	EVILL, FREDERICK	Lagos, West Africa. 51 Moorgate Street, E.C.

		17 Carlisle Rd., Brondesbury, N.W.
1900. G.) 1904. A.M.)	EYERS, CYRIL	E.I. Rly., Jamalpur, Bengal.

		/Ht M3: G- 19 77: 1:
1899.	FAIRLEY, FRANK	Eastern Trading Co., 13 Kiukiang Rd., Shanghai, China.
1904.	FARNHAM, WILLIAM AUGUSTUS	Eng. and Surveyor, Foots Cray Urban District Council Offices, Sideup, R.S.O., Kent.
1905.	Farnsworth, Frank Smedley	No. 42 Settlement, Yokohama, Japan.
1907.	FARQUHAR, ERNEST EDMOND JAMES	5 Sefton Park, St. Andrews, Bristol.
1907.	FARRINGTON, CHARLES FREDERICK	Conway and Colwyn Bay Joint Water Supply Bd., Trinity Sq., Llandudno.
1907.	FARWELL, GEORGE DOUGLAS	Bath and County Motor Co., Bath.
1901. G. 1906. A.M.	FAULENER, FRANCIS CLAUDE	(22 Cockspur St., Charing Cross, S.W. [7883 Gerrard.]
1895.	FAWCETT, PERCY WILLIAM	Whirlow Brook, Parkhead, Sheffield.
1902. G.		Carr. and Wagon Wks. Manager,
1905. A.M.	FRANCIS	Govt.Rlys., Atbara, Sudan, Egypt.
1906.	Fawns, Sydney	26 Sussex Mansions, S. Kensington, S.W.
1904.	FEARNLEY, GEORGE WILLIAM	Crawford Munic. Technical Insti- tute, Emmett Place, Cork.
1903.	FELLOWS, THOMAS EDGAR	Munic. Eng. and Surveyor, Town Hall, Willenhall, Wolverhamp- ton.
1907.	FENDICK, Eng. Lieut. WALTER ROBERT, R.N.	H.M.S. "Cyclops," c/o Postmaster General, E.C.
1905.	FERGUSON, RODERICK MORRISON	371 Hollins Rd., Hollinwood, Oldham.
1903.	FERNANDEZ, RAFAEL	Artes y Oficios 1151, Buenos Aires, Arg. Rep.
1896. G. 1900. A.M.	HIEGEREN HOWARD LEGORGE	2 Sandy Lane, Stretford, Man- chester.
1904.	FIELD, ARTHUR JOSIAH	Messrs. Lansard & Co., 216 Goswell Rd., E.C.
1908.	FIRBANK, STANLEY	E. I. Rly., Aligarh, U. P., India.
1910.	FISHER, JOHN	76, Meanley Rd., Manor Park, E.
1910.	FITCH, JOSHUA ROBERT MARK-WELL	Chief Eng., Queen Anne's Mansions, St. James' Park, Westminster, S.W.
1909.	FITZGERALD, STANLEY	Sturtevant Engineering Co., 147 Queen Victoria Street, E.C.
1904. G. 1910. A.M.	FITZGERALD, WILLIAM ALFRED	Engineering Divn., H. M. Office of Works, Storey's Gate, West- minster, S.W.
1900.	Francis	26 St. Mary's Grove, Chiswick, W.
1906.	FLEET, ERNEST FRANK	Signalling Engineer, N.E. Rly., Forth Banks, Newcastle-on-Tyne.

Date	of	1010	ecti	on.

Date of Election.	
1895. FLEISCHER, PAUL	Messrs. A. Guinness, Son & Co., St. James' Gate Brewery, Dublin.
1904. G. FLETCHER, DONALD CORBET	Loco. Dept., Great Northern Rly., Retford.
1908. FLETCHER, SAVILE RUTTER	Messrs. Stephen Sellon & Partners, 36 Victoria St., Westminster, S.W.
1907. FLINN, STEPHEN	Urban Council Offices, High St., Grays, Essex.
1910. FLOOD, WILLIAM HENRY	147 Abbeyfield Road, Pitsmoor, Sheffield.
1907. Flower, Clement John	2 Ibrahim Bey Wafa's Bldgs., Sharia Gama Charkasse, Cairo, Egypt.
1907. FOLEY, BERTRAM PHILIP	Ansonia, 5 Elsenham St., South- fields, Wandsworth, S.W.
1909. FOLK, SAMUEL MARK	152 Broadhurst Gardens, West Hampstead, N.W.
1908. Ford, Herbert Henry	Messrs. Stothert & Pitt, Newark Foundry, Bath.
1908. Ford-Smith, Percy	Ford-Smith Machine Co., 172 Wentworth St. N., Hamilton, Ont., Canada.
1902. FORGA, ALFRED	Messrs. Alfred Forga & Co., Arequipa, Peru.
1902. FORGAN, CHARLES	Power House Supt., Central London Rly., Shepherd's Bush, W.
1901. Forster, Andrew	Messrs. J. Samuel White & Co., Cowes, Isle of Wight.
1904. Forsyth, William	Ingenio San Antonio, Chichigalpa, Nicaragua.
1900. G. FORWARD, ERNEST ALFRED	The Science Museum, S. Kensington, S.W.
1903. G. FOSTER, EDGAR	North Shore Gas Co., North Shore, Sydney, N.S.W.
1895. FOSTER, EDWARD HORNBY	Black Dike Spinning Mills, Queens- bury, Bradford.
1902. G., 1904. A.M.) FOSTER, ROBERT JOHN	Hadfield's Steel Foundry Co., East Hecla Works, Sheffield; and Inglehurst, Broom Lane, Rother- ham.
1897. G. FOSTEB, SYDNEY	Lancs. & Yorks. Rly., Fleetwood, R.S.O., Lancs.
1904. {FOTHERGILL, SAMUEL FOTHER-GILL WATSON	Manager, Messrs. E. Reader & Sons, Cremorne St., Nottingham.
1910. FOULDS, JOHN RHODES 1908. FOWLER, HAROLD	57 Woodgrove Rd., Burnley. Sale Lodge, Sale, Cheshire.
1902. G.) Fox, Francis Henry Wright	Messrs, Sir Douglas Fox & Part- ners, Cross Keys House, 56 Moor-
1906. A.M.)	gate St., E.C. (Messrs. Bryan Corcoran, Back
1893. G. 1899. A.M. FOX, FREDEBICK JOSEPH	Church Lane, Whitechapel, E.; and The Gardens, Leigh Hill, Leigh-on-Sea.
1907. Fox, Samuel Alexander	Messrs. W. Sisson & Co., Quay St. Iron Works, Gloucester.
1904. FBADLEY, HERBERT THOMAS	Messrs. W. & H. M. Goulding, Dublin.
1902. Francis, Adolphus Sydney	Eng., Gas and Water Dept., Town Hall, Clacton-on-Sea.

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1905. G.) 1907. A.M.)	Frank, Reginald Alexander	Brit. Cotton & Wool Dyers' Assocn., 22 Cumberland St., Manches- ter.
1902. G.) 1907. A.M.	Frankau, George Neuberg	9 Lancaster Rd., Hampstead, N.W.
1898. G. 1902. A.M.	Fraser, William Stuart	Dist. Loco. Supt., B.B. & C.I. Rly., Bandikui, Rajputana, India.
1906.	Frazer, John Peter	Supt. Eng., Messrs. Purdie, Glen, Millar & Co., 55 West Regent St., Glasgow.
1909.	FREEMAN, JOHN GARNEYS	Res. Engineer, London and St. Katherine's Docks, Wapping, E.
1899.	FREEMAN, WALTER WILLIAM	Grove House, Grove Rd., Fenton, Stoke-on-Trent.
1899.	FRENCH, ARTHUR HOULE	29 Alexandra Park Road, Muswell Hill, N.
1902.	FRENCH, FREDERICK CHARLES	Works Manager, Loco. Dept., Govt. Rlys., Colombo, Ceylon.
1897.	Frerichs, Jacob Andrew	Mech. Engineering Dept., Messrs. H. Eckstein & Co., P.O. Box 149, Johannesburg, Transvaal.
1907.	FRIEDRICHS, FRIEDRICH WIL-	Berlin, N.W. 87.
1900.	FRIPP, STEUART, Jun	Clifton, Bristol.
1905.	FROGGATT, FREDERICK	Messrs. John Harper & Co., Albion Works, Willenhall, Wolverhamp- ton.
1906.	FROST, GARDINER HENRY	Allanbank, Larbert.
1903.	FROST, HENRY MAURICE	Compagnia l'Union des Gaz, Officina di Bovisa, Milan, Italy.
1903.	Fryer, Frederick George	Messrs. Rowntree & Co., Cocoa Works, York.
1901. G.) 1903. A.M.)	FRYER, JOHN EDWIN GEORGE	Messrs. Humphreys & Glasgow, 38 Victoria Street, Westminster, S.W.
1895. G.) 1901. A.M.	FRYER, TOM JEFFERSON	Celtic Works, Savile St. East, Sheffield.
1907.	FULLER, ERNEST WILLIAM	EngManager, Harrogate Road Car Co., Harrogate.
1909.	FULLER, GEORGE EDWIN	Casilla 345, La Serena, Chile.
1904.	FURNESS, REGINALD LESTER	Messrs. Fraser & Chalmers, Salisbury, Rhodesia.
1900.	FURNIVALL, WILLIAM HENRY	Fernkraal, 112 Muller St., Bellevue,
1904. G.)	GRAHAM	Johannesburg, Transvaal. (Eng. and Genl. Manager, Corpn.
1907. A.M.	FYFFE, ANDREW MORTON	Gas Dept., Nelson.

1902.	GAHAGAN, ROLAND HAYES	Messrs. George Gahagan & Co., Byculla, Bombay.
1895. G 1899. A.M	GALE, ROBERT HARRY	38 Scarsdale Villas, Kensington, W.
1895. G 1896. A.M	GALLÉ, WILLIAM ALEXANDRE	Loco. Dept., G. C. Rly., Gorton, Manchester.

1906.	GALLEY, FREDERICK GEORGE	83 Cambridge Road, Seven Kings, Ilford.
1905.	GAMBLE, GEORGE MARTIN	20 Cannon St., Birmingham.
1909.	GARDINER, GILBERT CHARLES WANKLYN	(St. Annes, Clifton Rd., Weston- super-Mare.
1908.	GARDNER, ALFRED CHARLES	16 Larkfield Road, Richmond, Surrey.
1910.	GARRATT, REGINALD JOSEPH	Armstrong's Bldgs., Cradock, Cape Colony.
1896.	Garrett, Easton	Calle Peru 321, Buenos Aires, Arg. Rep.
1890. G. 1897. A.M.	GARRETT, FRANK, Jun	Leiston Works, Leiston, R.S.O., Suffolk.
1902.	GARRETT, JOHN DUNNELL	108 Buckingham Palace Road, S.W.
1898.	Garvey, Richard Godfrey Hamilton	Commonwealth Oil Corpn., Equitable Bldgs., George St., Sydney, N.S.W.
1909.	Garvie, David	225 King William St., Adelaide, S. Australia.
1901. G. 1903. A.M.	GASKELL, HOLBROOK, Jun	Chief Eng.'s Office, United Alkali Co., Widnes.
1907.	GASPAR, GREGORY HUGH	34 Diamond St., Saltburn-by-the-
	WALTER	Locomotive Department, Lancs. &
1909.	Gass, Edward Mellor	Yorkshire Railway, Horwich, Lancs.
1901. G. 1907. A.M.		Waihi G. M. Co., Waihi, Paeroa, Auckland, N.Z.
1904.	GAVEY, ARTHUR	Central Offices, Randfontein Estates, Randfontein, Transvaal.
1902.	GEACH, LEWIS CECIL	Locomotive Dept., Mid. Railway, Derby.
1905.	GEARING, HARRY CHARLES	Atlas Works, Cape Town, Cape Colony.
1903.	GEEN, HARRY	Brandize, Avenue Road, Torquay.
1908.	GEMMEL, JAMES WARWICK	Georgetown Water Works, Georgetown, Demerara, British Guiana.
1902.	GENTRY, BUCHAN STRATTON	141 Thornbury Rd., Osterley Park, N.
1900.	GEORGE, JAMES MACNAUGH-	Gourepore Co., Gourepore, Calcutta.
1902.	GEORGE, JOHN WILLIAM	6 Court Terrace, Burntwood Lane, Tooting, S.W.
1906.	George, William Thomas	35 Shardeloes Rd., New Cross, S.E.
1906. G.	) ~	F.M.S. Railways, Central Work-
1910. A.M.	LEIDE NORMAN	shops, Kuala Lumpur, Selangor, Straits Settlements.
1909.	GIBBONS, JOHN WILLIAM	Deputy Signal Supt., Egyptian State Railways, Cairo, Egypt.
1903. G. 1907. A.M.	move	Canadian Pacific Rly., Montreal,
1907.	GIBBS, ALECK ROBERT	103 Tierney Rd., Streatham Hill, S.W.
1904.	GIBSON, EDWARD MARRIOTT	Schlüsselburg Calico Printing Co., Schlüsselburg, Russia.
1907.	GIBSON, WILLIAM	Messrs. Riley, Hargreaves & Co., Singapore, Straits Settlements.

Tientsin Water Works Co., ssin, China.
John Aird & Sons, Im- l Rd., Fulham, S.W.
Arndt & Co., Hong Kong,
h Provident Buildings, 25 e Street, Liverpool.
Skrine & Co., Colombo,
Place, Camborne. St., Calcutta, India.
Gimson & Co. (Leicester), ne Works, Vulcan Rd.,
ester. oorn Road, Forest Gate, E.
Club, Silchar, Cachar,
enstone Road, Pendleton, chester.
Works, Halifax.
er, Messrs. Brown & Polson,
ey.
ted Portland Cement Manu- Park House, Gravesend. nd Wagon Dept., L. & Y.
vay, Newton Heath, Man- er.
Correo 1047, Buenos Aires,
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Rep.
Rep. ly., Jamalpur, Bengal.
Rep. ly., Jamalpur, Bengal. ox 619, Johannesburg, Trans- nolm Manufactory, near a, Russia. Riley, Hargreaves & Co., anore. Straits Settlements.
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Rep. ly., Jamalpur, Bengal. ox 619, Johannesburg, Trans- nolm Manufactory, near ra, Russia. Riley, Hargreaves & Co., apore, Straits Settlements. ham Street, Kentish Town, y Engineering Co., Tutbury, on-on-Trent.
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Rep.  ly., Jamalpur, Bengal.  ox 619, Johannesburg, Trans- nolm Manufactory, near ra, Russia.  Riley, Hargreaves & Co., apore, Straits Settlements. ham Street, Kentish Town, y Engineering Co., Tutbury, on-on-Trent. oreton Avenue, Stretford, chester.  Brooks and Doxey, Man- ner.
Rep. ly., Jamalpur, Bengal. ox 619, Johannesburg, Trans- nolm Manufactory, near a, Russia. Riley, Hargreaves & Co., apore, Straits Settlements. nam Street, Kentish Town, y Engineering Co., Tutbury, on-on-Trent. oreton Avenue, Stretford, chester. Brooks and Doxey, Man-
Rep.  ly., Jamalpur, Bengal.  ly., Jamalpur, Bengal.  ly. 619, Johannesburg, Transachem Manufactory, near a, Russia.  Riley, Hargreaves & Co., apore, Straits Settlements.  ham Street, Kentish Town,  y Engineering Co., Tutbury, on-on-Trent.  loreton Avenue, Stretford, chester.  Brooks and Doxey, Mander.  F. B. Goodchild & Co., 1 Craven House, Kingsway,  ing Director, Messrs. Ludw.  ye & Co., 30-32 Farringdon E.C.
Rep.  ly., Jamalpur, Bengal.  ox 619, Johannesburg, Trans- nolm Manufactory, near a, Russia.  Riley, Hargreaves & Co., apore, Straits Settlements. ham Street, Kentish Town, y Engineering Co., Tutbury, on-on-Trent. oreton Avenue, Stretford, chester.  Brooks and Doxey, Man- ier.  F. B. Goodchild & Co., 1 Craven House, Kingsway, ing Director, Messrs. Ludw. we & Co., 30-32 Farringdon E.C. Dept., L. & N. W. Rly.,
Rep.  ly., Jamalpur, Bengal.  ly. 619, Johannesburg, Trans- andlm Manufactory, near a, Russia.  Riley, Hargreaves & Co., apore, Straits Settlements.  ham Street, Kentish Town, y Engineering Co., Tutbury, on-on-Trent.  oreton Avenue, Stretford, chester.  Brooks and Doxey, Man- ier.  F. B. Goodchild & Co., Craven House, Kingśway, ing Director, Messrs. Ludw. we & Co., 30-32 Farringdon E.C. Dept., L. & N. W. Rly., re. ddville Rd., West Drayton, llesex.
Rep.  ly., Jamalpur, Bengal.  ox 619, Johannesburg, Trans- nolm Manufactory, near ra, Russia.  Riley, Hargreaves & Co., apore, Straits Settlements.  ham Street, Kentish Town, yengineering Co., Tutbury, on-on-Trent.  oreton Avenue, Stretford, chester. Brooks and Doxey, Man- ier. F. B. Goodchild & Co., 1 Craven House, Kingśway, ing Director, Messrs. Ludw. ve & Co., 30-32 Farringdon E.C. Dept., L. & N. W. Rly., re. dville Rd., West Drayton,

1906.	GORDON, ERNEST ARTHUR HAMILTON	L. C. C. Fire Brigade, Southwark, S.E.
1907.	GORDON, Eng. Lieut. HENRY HUDSON, R.N.	H.M.S. "Euryalus," c/o Post- master General, E.C.
	( HODSON, IV.N	81-83 Knightrider St., E.C. [Gor-
1898.	GORDON, JAMES	dolobo, London.]; and 23 St.
2000.		James' Mansions, West End Lane, W. Hampstead, N.W.
		Messrs. John Gordon & Co., Dash-
1897.	Gordon, John Wilton	wood House, 9 New Broad St., E.C.
1906. G.)	GORDON, VIVIAN	(Avonside Engine Works, Fishponds,
1910. A.M.)	GORDON, VIVIAN	Bristol.
1907.	Gore, George Ernest	Messrs. Cochrane & Co., Ormesby Iron Works, Middlesbrough.
1910.	GOSTWYCK, HUMPHREY HAR-	Singapore Municipality, Singapore,
1310.	) FORD GOSTWYCK	Straits Settlements.
1902.	GOUDIE, WILLIAM JOHN	Engineering Laboratory, University College, Gower Street,
300-	,	W.C.
1907.	GOULD, HERBERT THOMAS	[Gasify, Cardiff. [Gasify, Cardiff. 700.]
1897. G.	(GOULDING, BENJAMIN JOSEPH	(Linotype and Machinery, Ltd., 188
1901. A.M.		Fleet St., E.C.
1899.	GOULSTONE, ERNEST EDWIN	Supt., Water and Sewage Works, Cawnpore, India.
1910.	Gow, James	(Egyptian Delta Light Railways,
1910.	GOW, JAMES	Damanhour, Egypt.
1907.	Gow, John Biggart	British Eng. Boiler & Electrical Insce. Co., 12 King St., Man-
20011		chester.
1909.	GOWER, CHARLES WILKINSON	28 Jamaica Road, S.E.
1905.	GOWER, WILLIAM EDWARD	Underfeed Stoker Co., Coventry House, South Place, Finsbury,
		E.C.
1910.	GRAEME, ALEXANDER WILLIAM	Assist. Loco. Supt., G.N. of Scotland Rly., Kittybrewster, Aber-
2020	SUTHERLAND	deen.
100	Course Tuesd	National Boiler & General Insce.
1907.	Graham, James	Co., 22 St. Ann's Square, Man- chester.
1905.	GRAHAM, THOMAS	Messrs. H. A. Davies, Holmside,
		\ Sunderland. (Messrs. Harland & Wolff, Queen's
1901.	GRANT, DANIEL JOHN	Island, Belfast.
1910.	GRANT, JOHN	Messrs. R. D. Munro and Co., 121
1005	Court Town Form	West Regent St., Glasgow. Morgan Crucible Co., Battersea
1907.	GRANT, JOHN EDWARD	Works, S.W.
1896.	GRANT, WILLIAM	Messrs. Workman, Clark & Co., Engine Works, Queen's Road,
1000.	Chart, Hilliam	Belfast.
1909.	GRANT-MORRIS, WILLIAM	Chief Mech. Eng., Cairo Water
	HARDWICKE	Works, Cairo, Egypt. Nahan Foundry, Nahan, near Um-
1904.	GRAVELL, ARTHUR	balla, Punjaub.
1907.	GRAY, JOHN WILLIAM	Loco. Dept., Natal Govt. Rlys.,
1907.	GREAVES, LOUIS VINCENT	10 Avondale Place, Halifax.

1000	outerm	
190	4. Greaves, William	69 Cross Hill, Ecclesfield, Sheffield.
190	2. Green, Bernard Joseph	Chief Engineer, Drainage and Waterworks, Town Hall, Kidder-
190	5. GREEN, FREDERICK WALTON	minster. {Electricity Works, Piers Rd., Handsworth, Birmingham.
189	9. Green, John Singleton	Municipal Offices, Haslingden, Manchester.
400		3 Miles Lane, E.C. [Fagreeneer, London, 7683 London Wall.];
190	O. GREENE, FRANK ARNOLD	and 7 Alexandra Mansions, West End Lane, N.W.
191	O. {Greene, Robert Cecil Eustrace	Ingleside, Sea Bank Road, Wallasey.
190 191	1. G.) GREENWOOD, FREDERICK O. A.M.) GEORGE	39 Charlotte Rd., Edgbaston, Birmingham.
190	6. {GREENWOOD, VLADIMIR ED- WARD	Birmingham Metal and Munitions Co., Adderley Rd., Saltley, Birmingham.
190	4. GREGSON, BRYAN PADGETT	The Wardens, Kingsland, Here- fordshire.
<b>1</b> 91	O. GREIG, ARTHUR	Metropolitan Water and Sewerage Board, Albert St., Brisbane, Queensland.
190	4. {GRIFFITHS, EDWARD MERE-	[1-3 Ludgate Square, Ludgate Hill, E.C. [Hibou, London. 5423 Bank.]
189 190	9. G. G. GRIFFITHS, HAROLD	Messrs. Kynoch, Witton, Birming- ham; and 3 Pakenham Rd., Edgbaston, Birmingham.
190	4. GRIFFITHS, RALPH STANLEY	11 Addison Court Gardens, Kensington, W.
191		Station Supt., Electric Power Station, Bhowanipore, Calcutta.
190	O. {GRIMLEY, WILLIAM RICHARD} NASH	8 Marlborough Rd., Ealing, W.
190	GROOM, ISAAC STEPHEN WEST	Loco. Dept., G.N. Rly., The Fall, Wakefield.
190	GROSE, FRANCIS HOWARD	H. M. Dockyard, Simon's Town, Cape Colony.
190	GROUNDWATER, ALICK GEORGE	Stoneywood Wood Works, Bucks- burn, Aberdeen.
189		Honam, 16 Burnaby Rd., Bourne- mouth.
189 189		Ivy Dene, Pinhoe Rd., Exeter. Nelly Mine, Insiza, Rhodesia, S.A.
190	3. Groves, Thomas	Batu Gajah, Perak, Federated Malay States.
190	3. Guest, George Nevill	Messrs. Hollings & Guest, Thimble Mill Lane, Aston, Birmingham. [3060.]
190 190	0. G.) GULLIVER, GILBERT HENRY	Engineering Laboratory, The University, Edinburgh.
190	8. Gupta, Jatindra Kumar Das	Deputy Surveyor to the Calcutta Corporation, 4 Parseebagan, Cal- cutta.
191	O. GURNEY, THOMAS	P.O. Box 200, Christchurch, New Zealand.

1904.	GUTCHER, WILLIAM	Works Manager, Singapore Oil Mills, Singapore, Straits Settle- ments.
1908.	GUTHRIE, THOMAS	Messrs. William Little & Sons, 77 & 79 Pitt St., Edinburgh.
1910.	GUTIERREZ, RICARDO JOSÉ	Cangallo 2005, Buenos Aires, Argentine Republic.
1904.	GUYATT, DAVID JOHN	89 Walsall Street, Wednesbury.

1894.	(HADENGUE, CHARLES BENJA-	Messrs. Carew & Co., Rosa Sugar
1004.	MIN	Works, Rosa, N.W.P., India.
4000	(HADLEY, WILLIAM PEARCE	Dhendai Tea Co., Borjuli P.O.,
1899.	Holbrow	Assam.
1905.	HADWEN, FREDERICK WALTER	Kebroyd Mills, near Halifax.
1000,	IIADWEN, PREDERICA WALTER	(Messrs. H. W. Petrie, Front St.,
1910.	HAGGAS, WILLIAM SELKIRK	
		Toronto, Ont., Canada.
1909.	HAIGH, JAMES HAROLD	Loco. Dept., Lancs. & Yorks. Rly.,
2000.	TIAIGH, VAMES TIAIGED	\ Horwich, Lanes.
1000	TI Tours Departur	(31 Abinger Rd., Bedford Park,
1902.	HAILEY, FRANK PERCIVAL	Chiswick, W.
1899. (	J.) T T	Chief Eng., Savoy Hotel, Savoy
1902, A.M		Court, W.C.
1902.	TI - D	The Rosary, Low St., Chingford.
		41 Costolnon Pornes C W
1896.	HALL, BENJAMIN JAMES	41 Castelnau, Barnes, S.W.
1902.	HALL, JOHN EDWARD	9 Kiukiang Rd., Shanghai, China.
1910.	HALL, SIDNEY ZALESKI	Messrs. James B. Petter & Sons,
1310.	HALL, SIDNEY ZALESKI	Nautilus Works, Yeovil.
400=	TY TY T	(Chief Eng., Oakhill Brewery Co.,
1905.	Hamblin, Henry Joel	Oakhill, Bath.
		Messrs. Newton, Chambers & Co.,
1907.	HAMBLY, PERCY NOEL	Thorncliffe, Sheffield.
1903.	HAMILTON, ALEXANDER, Jun.	Chief Eng., Bacares Iron Ore
	,	Mines, Seron, Almeria, Spain.
	(HAMILTON, ARCHIBALD GIL-	(Messrs. Evans, Thornton & Co.,
1907.	,	{ 349 Bartolomé Mitre, Buenos
	( BERT	Aires, Arg. Rep.
1908.	HAMILTON, BELTON TATTNALL	285 Willesden Lane, N.W.
	1)	(Messrs. Wilson, Sons & Co., Bahia,
1906. A.I		Brazil.
1300. A.D	ш.)	
1905.	HAMILTON, JAMES ALEXANDER	Manager, Central Engine Works,
	,	Singapore, Straits Settlements.
1901.	HAMILTON, THOMAS FULTON	Carron Iron Works, Carron, R.S.O.,
2001.	riaminion, riamino rollion	Stirlingshire.
1010	II. was a Danier II.	(Western Electric Co., North
1910.	HANDCOCK, REGINALD HENRY	Woolwich, E.
1000	W C	(Municipal Technical Institute,
1903.	HANDY, CHARLES EDWARD	Portsmouth.
		Messrs. Crossley Brothers, Guild-
1904.	Hannah, James Cameron	
1001	Warrang Warrang	hall Rd., Northampton. [36 Y.]
1901.	HANNING, WILLIAM	17 Rue de Maubeuge, Paris.
1000	**	Genl. Manager, Liverpool District
1903.	HANSOM, OSWIN	{ Lighting Co., 16 Tithebarn St.,
		Liverpool.
1010	Happey Croper Arene	Heatly-Gresham Engineering Co.,
1910.	HARBEN, GEORGE ALFRED	Letchworth, Herts.
		110000) 220000

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1901. G. 1904. A.M.	HARDEN, GEORGE FREDERICK St. CLAIR	Sandwell, Radlett, S.O., Herts.
1903.	HARDIE, EDWARD PETER	Law Accident Insurance Society, 215 Strand, W.C.
1905.	HARDMAN, FREDERIC	Allerton, Green Lane, Great Lever, Bolton.
1901.	HARDWICK, EUSTACE JAMES	Messrs. W. H. Willcox & Co., 28 Southwark St., S.E.; and 111 Fox Lane, Palmer's Green, N.
1902.	HARDY, JAMES HENRY	Culver Street, Halifax; and 18 Summergate Place, Halifax.
1907.	HARGREAVES, WILFRED LAW-	8 River View, New Ferry, Birken- head.
1898.	HARLING, WILLIAM	City of Santos Improvements Co., Caixa 4, Santos, Brazil.
1903. G.) 1910. A.M.)	HARLISS, WILLIAM LEWIS	Powell Duffryn Steam Coal Co., Aberaman, Aberdare.
1897.	Harlow, Bernhard Schäffer	Heaton Norris Brass Works, Stock- port.
1906.	HAROLD, Eng. Lieut. HAROLD	H.M.S. "Victorious," c/o Post- master General, E.C.
1899. G.)	HARRIS, FRANCIS GRAHAM	St. Stephen's House, Victoria Em-
1903. A.M.)	REYNOLDS	bankment, S.W.
1904.	HARRIS, HENRY BURDEN	Eng. to the Croydon Corpn. Tram- ways, (British Electric Traction Co., Lessees), Croydon.
1898. G.)	HARRIS, HENRY EVANS	Manager, Messrs. Massey & Co.,
1901. A.M.) 1894.	HARRIS, HERBERT NELSON	Madras. St. Michael's Foundry, Bridport.
1904.	HARRIS, STEPHEN EDWARD	Ohlsson's Cape Breweries, Braam- fontein, Johannesburg, Trans- vaal.
1901.	(HARRIS, WILLIAM ROBERT ALEXANDER	Messrs. Thomas & Green, Soho Paper Mills, Wooburn, Bucks.
1910.	HARRISON, ERNEST YOUNG	Water Eng., Market Sq., Welling- borough.
1902. G.)	HARRISON, NIGEL SYDNEY)	Royal Exchange, Middlesbrough.
1904. A.M.) 1905.	AUGUSTINE	Eng., Water Wks., Hornsea, Hull.
1903.	HARRISON, RICHARD	Cardiff Rly. Co.'s Works, Bute
1906.	HART, WILLIAM HENRY	Yard, Tyndall St., Cardiff.  1 Amherst Rd., Penny-come-quick,
		Plymouth. (Clifton and Kersley Coal Co.,
1906. G.) 1908. A.M.	HART-DAVIS, HUGH VAUGHAN	Clifton, Manchester.
1903.	Hartley, Herbert Anderson	Messrs. Reavell & Co., Ranelagh Works, Ipswich.
1905.	HARTLEY, RICHARD FREDERICK	Royal Laboratory, Royal Arsenal, Woolwich.
1907.	HARTLEY, THOMAS WILSON	65 North East St., Massillon, Ohio, U.S.
1905.	HARTNESS, JOHN ANTON	Jones and Lamson Machine Co., Jubilee Bldgs., 97 Queen Victoria St., E.C.
1910.	HARVEY, WALTER SIDNEY	Glen View, Sketty, Swansea.
1897.	HARWOOD, ROBERT HENRY	Jamadoba Colliery, Jamadoba P.O., Jherriah, Bengal.
1901. G.) 1906. A.M.)	HASLAM, SIDNEY BERTRAM	Western Mail Chambers, Cardiff. [Thor, Cardiff. 606 P.O.]

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1907.	Hasselkus, John William	Messrs. Ross, 3 North Side, Clap- ham Common, S.W.
1904. G.) 1910. A.M.	Haswell, John Frederick	94 Foregate St., Chester.
1902. G.) 1910. A.M.	HATFIELD, KENNETH GEORGE	10 Tavistock Square, W.C.
1908.	HATFIELD, WILLIAM HERBERT	Manager, Messrs. John Crowley & Co., Meadow Hall Iron Works, Sheffield.
1908.	HATHAWAY, NICHOLAS SHAKE-	Perfecta Works, Chippenham.
1902.	HATHORN, JAMES CHARLES MURBAY.	P.O. Box 55, East Rand, Transvaal.
1901.	HATSCHER, EMIL	Messrs. S. Bornett & Co., 19 St. Dunstan's Hill, E.C.
1910.	HATTON, JAMES	Works Manager, Burton Pure Ice and Cold Storage Co., Bond End, Burton-on-Trent.
1902. G.) 1906. A.M.)	HATTON, ROBERT ANDREW	Messrs. W. T. Henley's Telegraph Works Co., North Woolwich,
1900.	HAUGHTON, GEORGE BAYLY	6 Lombard Court, E.C. [Haugh- not, London.]
1909.	HAVILLAND, GEOFFREY DE	(32 Barons Court Rd., Kensington, W.
1899. G.) 1903. A.M.	HAWRINS, ELYOT SYDNEY	Genl. Manager, Colne Valley Rly., Halstead.
1903. G.) 1907. A.M.)	Hawkins, Eustace Fellowes	Société Anonyme Westinghouse, Sévran, Paris.
1902. G.) 1905. A.M.	HAWKINS, JOHN CHARLES	Water Works Engineer, Paignton.
1897.	HAWKINS, THOMAS SPEAR	(Morro Velho, Villa Nova de Lima, Bicalho Minas, Geraes, Brazil.
1908.	HAY, ALEXANDER STANLEY	Furzenmead, Alfold, Surrey.
1901. G.) 1905. A.M.)		Messrs. Rosser & Russell, Cabinet Chbrs., Basinghall St., Leeds.
1909.	HAYMES, CARLOS	Carlos Pellegrini 1536, Buenos Aires, Arg. Rep.
1909.	HAYTON, CHARLES EDWIN	7 Dawlish Road, Chorlton-cum- Hardy, Manchester.
1904.	HAYWARD, JOSEPH WILLIAM	(703 Power Bldg., Craig St., Montreal, Canada.
1900.	Haywood, Arthur Robert	Loco. Supt., Transandine Railway, Los Andes, Chile.
1908.	HAYWOOD, THOMAS ELI	Messrs. McKenzie & Holland, 58 Victoria Street, Westminster, S.W.
1904.	HEAD, HENRY COLEMAN	Eng. and Genl. Manager, Winchester Water and Gas Co., 19 Staple Garden, Winchester.
1901. G.) 1907. A.M.)	HEAD, WALTER GEORGE	S. Metropolitan Gas Co., 709 Old Kent Road, S.E.
1902. G. 1905. A.M.	HEALD, HARRY	16 Rochester Avenue, Prestwich, Manchester.
1907.	HEAP, WALTER	[359 Lord St., Southport. [Allmann, Southport. 238.]
1896.	HEATH, CHARLES LEWIS ECLAIR	Principal, Rutherford Technical College, Newcastle-on-Tyne.
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Date of Electio		
1904. G.	Thumsons Frank Honian	110 Cannon Ct T. C
1908. A.M.		110 Cannon St., E.C.
1900. G.	HEDLEY, WILLIAM SCOTT	145 Windsor Terrace, Gosforth, New-
1903. A.M.	JIEDLEI, WILLIAM SCOIL	castle-on-Tyne.
1908.	HEMER, WILLIAM HENRY	Engineering Dept., Technical Institute, Durban, Natal.
1897.	HEMINGWAY, ALFRED	Govt. Rlys., Northam, Western Australia.
1906.	HEMMINGS, HENRY FRANCIS LEWIS	Messrs. Willans & Robinson, Victoria Works, Rugby.
1902.	HENDERSON, DONALD DOUGLAS	66 Cheapside, E.C. [Inderdaad, London. 9187 Central.]
1910.	Henderson, Philip	Messrs. Livesey, Son and Henderson, 14 South Place, E.C.
1901.	Henderson, Robert	Prudential Assce. Bldgs., 48 West Regent St., Glasgow.
1908.	HENDRY, CHARLES ARTHUR JOHN	Messrs. Martin & Co., 6 and 7 Clive St., Calcutta.
1910.	HEPWORTH, JOHN WILLIAM	Messrs. Stevensons, Canal Foundry, Preston.
1899.	HEPWORTH-COLLINS, WALTER	Junior Constitutional Club, Picca-dilly, W.
		Eng. and Manager, Folkestone
1904.	Hesketh, Thomas	Electricity Supply Co., Folke- stone.
1909.	HESKETH, WILLIAM ORME	Ivy Cottage, Edenfield, Manchester.
1907. G.	HETHERINGTON, FRANK	Schoen Steel Wheel Co., Bramley,
1910. A.M.	) IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Newlay, Leeds.
1901.	HEWARD, SIDNEY EDGAR	124 Tressillian Road, Brockley, S.E.
1905.	HEWITT, ARNOLD ERNEST	Bowling Boiler Works, Brad- ford.
1908.	Hewson, Charles Lysaght Bruce	Govt. Railways, Lagos, West
1907.	HEY, WALTER	Messrs. Spencer & Co., Melksham.
1900. G.		(Wilsley, Burley - in - Wharfedale,
1901. A.M.		Leeds.
1901. G.		Messrs. G. D. Peters & Co., Gotha
1905. A.M.	HIBBERD, FREDERICK CHARLES	Works, Slough. (Century Spinning and Manufactur-
1910.	HICK, BENJAMIN	ing Co., Bella Vista Offices, Cumballa Hill, Bombay.
1908.	HICK, CHARLES	Beverley, Fields Park Rd., Newport, Mon.
1900.	HICKS, FREDRICK GEORGE	64 Chester Rd., Erdington, Bir-
1000.	ITIOAS, PAEDMICK GEORGE	mingham.
1906.	Higgins, Charles Francis	Manager, Contrafio Condenser Co., Caledonian Bldgs., Pilgrim St.,
1905.	HIGGINS, EDWARD PANTER	Newcastle-on-Tyne. Tyn-y-Rheol, Rooksmoor, Stroud, Glos.
1902.	HIGGINSON, FRANK	Eng., Broadstairs Gas Co., Alex- andra Rd., Broadstairs.
1907.	HIGGS, WILLIAM GEORGE	125 Bernard Street, Uplands,
1899.	HILDAGE, HENRY THOMAS	Swansea. 16 Lily Street, Crumpsall, Man-
		(113 Balsam Ava Balmy Basah
1905.	HILL, ALBERT GEORGE	(113 Balsam Ave., Balmy Beach, Toronto, Canada.

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1909. G. 1910. A.M.	HILL, HAROLD	Messrs. Dobson and Barlow, Kay Street Machine Works, Bolton.
1898.	HILL, JOSEPH	71 Exeter Rd., Brondesbury, N.W.
1910. 1905.	HILL, SIDNEY FRANCIS HILL, THOMAS	15 Cleveland Parade, Darlington. 47 Terrace Rd., Swansea.
1897.	HILL, THOMAS	6 Westbourne Grove, Bayswater, W.
1900. G.) 1905. A.M.	HILL, WALTER HEREWARD	Messrs. Howarth Erskine, Canton, China.
1905.	HILL-WILLIS, STEPHEN ALEX-	Dist. and Water Eng., Orsett Dis-
	(HILTON, GEORGE MAXWELL	trict Council, Grays. (Messrs. Heenan & Froude, 4 Chapel
1908.	BROOKE	Walks, Manchester.
1908.	HILTON, NATHAN LEES	Daimler Motor Co. (1904), Coventry.
1905.	HINCHLIFF, HENRY WALTON	Messrs. Holdsworth & Son, Croft Boiler Works, Bradford.
1908.	HINCHLIFF, JAMES ARTHUR	Works Supt., Messrs. McKenzie and Holland, Vulcan Iron Works, Worcester.
1902.	HINCHLIFFE, GEORGE WILLIAM	Sewage Works, Knostrop, Leeds.
1902.	HINCKS, JOHN MURRAY	Oorgaum, Mysore State, South India.
1910.	HIND, ROBERT FREDERICK	The Limes, Powis Rd., Ashton-on-
1905.	HINDLE, ROBERT SIDNEY	Ribble, Preston.  2 River View Rd., Chiswick, W.  (Offician del Ingeniero Senitorio H
1905.	HIRD, RICHARD THOMAS	Oficina del Ingeniero Sanitario, H. Concejo Provincial del Callao, Peru.
1907.	HIRTZEL, CLEMENT HENRY ARMITAGE	Nairobi, British East Africa.
1902.	HISLOP, DAVID BLAIKIE	Messrs. John Blaikie & Sons, Aberdeen.
1902. 1901.	HISLOP, DAVID BLAIKIE (HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley.
	HISLOP, GEORGE ROBERTSON,	Aberdeen. Underwood House, Paisley. Constitution of the Cons
1901.	HISLOP, GEORGE ROBERTSON,	Aberdeen. Underwood House, Paisley.  26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster,
1901. 1907.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley.  26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W.
1901. 1907. 1910.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Part- ners, 36 Victoria St., Westminster, S.W. 28 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil.
1901. 1907. 1910. 1895.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. Consequence of the control of
1901. 1907. 1910. 1895. 1906.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros
1901. 1907. 1910. 1895. 1906. 1908.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W.  [1532]
1901. 1907. 1910. 1895. 1906. 1908. 1896. G.,	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. [1532] Brixton. Messrs. John Fowler & Co., Steam
1901. 1907. 1910. 1895. 1906. 1908. 1896. G. 1900. A.M.)	HISLOP, GEORGE ROBERTSON, Jun.  HITCHEN, JOSEPH HENRY  HOARE, ARTHUR RICHARD  HOCKLEY, NORMAN JULIUS  HODGE, JOHN  HODGES, HERBERT FURMEDGE  HODGSON, GEORGE HENRY  HODGSON, HARRY LEONARD.	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. [1532] Brixton.
1901. 1907. 1910. 1895. 1906. 1908. 1896. G. 1900. A.M.) 1908.	HISLOP, GEORGE ROBERTSON, Jun.  HITCHEN, JOSEPH HENRY  HOARE, ARTHUR RICHARD  HOCKLEY, NORMAN JULIUS  HODGE, JOHN  HODGES, HERBERT FURMEDGE  HODGSON, GEORGE HENRY  HODGSON, HARRY LEONARD  HODGSON, HERBERT  HODGSON, JAMES THOMAS	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 28 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. [1532] Brixton.] Messrs. John Fowler & Co., Steam Plough and Loco. Works, Leeds. Municipal School of Technology, Manchester. [75] Riverdale Road, Ranmoor,
1901. 1907. 1910. 1895. 1906. 1908. 1896. G., 1900. A.M., 1909. 1910. 1898.	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. [228 Brixton Hill, S.W. [1532 Brixton.] Messrs. John Fowler & Co., Steam Plough and Loco. Works, Leeds. Municipal School of Technology, Manchester. [75 Riverdale Road, Ranmoor, Sheffield.
1901. 1907. 1910. 1895. 1906. 1908. 1896. G. 1900. A.M. 1909. 1910. 1898. 1904. G. 1907. A.M.	HISLOP, GEORGE ROBERTSON, Jun.  HITCHEN, JOSEPH HENRY  HOARE, ARTHUR RICHARD  HOCKLEY, NORMAN JULIUS  HODGE, JOHN  HODGES, HERBERT FURMEDGE  HODGSON, GEORGE HENRY  HODGSON, HARRY LEONARD  HODGSON, JAMES THOMAS  HODGSON, RICHARD BROOM  HODGSON - STEVENS, ANTONIO  RODOVALHO	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. [228 Brixton Hill, S.W. [1532 Brixton.] Messrs. John Fowler & Co., Steam Plough and Loco. Works, Leeds, Municipal School of Technology, Manchester. [75 Riverdale Road, Ranmoor, Sheffield. Drainage and Water Works, Concepcion, Chile.
1901. 1907. 1910. 1895. 1906. 1908. 1896. G.) 1909. 1910. 1898. 1904. G.)	HISLOP, GEORGE ROBERTSON, Jun	Aberdeen. Underwood House, Paisley. 26 Crossfield Road, West Green, South Tottenham, N. Messrs. Stephen Sellon and Partners, 36 Victoria St., Westminster, S.W. 23 Bath Rd., Buxton. (Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil. Works Manager, Messrs. Legros and Knowles, Cumberland Park, Willesden Junction, N.W. P.O. Box 616, Sydney, N.S.W. (228 Brixton Hill, S.W. [1532 Brixton.] Messrs. John Fowler & Co., Steam Plough and Loco. Works, Leeds. (Municipal School of Technology, Manchester. (75 Riverdale Road, Ranmoor, Sheffield. (Drainage and Water Works, Con-

Date of Bicchon	•	
1903.	Hodson, Horace Malcolm	The Bryan Donkin Co., Parliament Mansions, Victoria St., S.W.
1906.	HOFF, EDWARD JOSEPH	Gas Works, Newmarket Road, Cambridge.
1907.	HOGARTH, WILLIAM JOHN	G.W. Rly., Swindon.
1901.	Hogg, John Thallon	Loco. Dept., Govt. Rlys., Durban, Natal.
1901.	Holbrow, Charles Anthony	Messrs. C. A. Parsons & Co., Milburn House, Newcastle-on-Tyne.
1907.	HOLDEN, CHRISTOPHER	Cochrane, Ontario, Canada.
1902. G.) 1905. A.M.	Holden, Percy	98 High St., Eton, Windsor.
1910.	Holder, Cecil Harry Elton	Messrs. Vickers, Sons and Maxim, Caxton House, Westminster, S.W.
1906.	HOLDSWORTH, WALTER	Fordhouses, Wolverhampton.
1908.	Holl, William Esplin	Messrs. Marshall, Sons & Co., Bombay.
1902.	Holland, Bernard Augustus	[17 Victoria St., Westminster, S.W. [Picturable, London. Gerrard 9554.]
		Kolar Gold Field Electy. Dept.,
1906.	HOLLAND, HENRY NORMAN	Oorgaum, Mysore State, South India.
1905.	HOLLAND, LOUIS CARL	134 Edensor Terrace, Coalshaw Green Rd., Hollinwood, Oldham.
1907.	Holloway, John	Messrs. James Howden & Co., Scotland St., Glasgow.
1910.	HOLLOWAY, JOHN WILLIAM	Messrs. Ashwell and Nesbit, Barkby Lane, Leicester.
1904.	Hollows, Arthur	Messrs. Brunner, Mond & Co., Northwich.
1899.	Holmes, Harry	Boro' Surveyor and Water Eng., Town Hall, Ossett, Yorks.
1908.	HOLMES, ROBERT BLAKE WORSLEY	Assist. Loco. Supt., Government Rly., Lagos, West Africa. Works Manager, Messrs. Rudge-
1898.	HOLROYD, VICTOR AVISON	Whitworth, Coventry; and Royd Lodge, Earlsdon, Coventry.
1905.	Holroyde, George Ernest	Pyrmont Refinery, Sydney, New South Wales.
1906.	HOLT, ROBERT BICKERSTAFFE	Permanent Way Engineer's Office, Sovereign St., Leeds.
1905. G.) 1910. A.M.)	Homan, Arthur Knox	Assist. Loco. Supt., North Western Rly., Bhatinda, India.
1908.	Homan, Brees van	Messrs. Homan & Rodgers, 17 Gracechurch St., E.C.
1908. G.) 1910. A.M.)	HOOPER, SIDNEY HERBERT	6 Slater St., Liverpool.
1906.	HOPKINS, EDMUND CHARLES	148-154 St. John St., Clerkenwell, E.C. [Seamanlike, London. 1093 Holborn.]
1906.	Hopkins, George Arthur	[148–154 St. John St., Clerkenwell, E.C. [Seamanlike, London. 1098 Holborn.]
1906.	(HORNE, ALEXANDER ROBERT, B.Sc	Robert Gordon's College, Aberdeen.
1895.	Horner, Joseph Gregory	45 Sydney Bldgs., Bath.
1899.	Horsnaill, William Owen	4 Tavern St., Ipswich.

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1901. 1906.	G. HORSNELL, THOMAS	{92 Kenilworth Court Mansions, Putney, S.W.
1903.	HORTON, LEONARD WILSON	Alma Works, Darlaston, Wednesbury.
1906.	Hosegood, Tom Presant	60 Egerton Road, Bishopston, Bristol.
1309.	HOUGHTON, WILLIAM HULME	Res. Mech. Eng., Lancashire County Asylum, Winwick, Warrington.
1903.	Hoult, Wilfred	Siemens Bros. Dynamo Works, Ltd., 196 Deansgate, Manchester.
1907.	HOUNSFIELD, LESLIE HAY-	65A Old Town, Clapham, S.W.
1904. 1910.	A.M. HOUR, ROBERT CHARLES	5 Rue de Chateaudun, Paris.
1907.	(HOUSMAN ROBERT FLETCHER	Manager, Messrs. Gillett and Johnston, Turret and Clock Factory and Bell Foundry, Croydon.
1904.	Houston, Percival Turner	Coronation House, 4 Lloyds Avenue, E.C. [Hougalen, London. 11396 Central.]
1910.	Howard, Charles Frederick	Colombo Harbour Works, Colombo, Ceylon.
1904.	HOWARD, HENLEY LIONEL	Eng., Dist. Council Electricity Supply and Tramways, East St., Barking.
1902. 1904.	G. HOWELL, THOMAS BRAITH-	Messrs. Hans Renold, Progress Works, Brook St., Manchester.
1906.		2 Chandos Rd. South, Chorlton- cum-Hardy, Manchester.
1902.	HOYTE, PERCY SIDDONS	Manager, Plymouth and Stone- house Gas Light and Coke Co.,
2002.		Coxside, Plymouth.
1905.	Hudlass, Felix William Isherwood	Automobile Club of Great Britain and Ireland, 18 Down St., W. (Wolseley Sheep Shearing Machine
1903.	Hudson, Ernest Victor	Co., Wolseley Works, Witton, Birmingham.
1902.	HUDSON, GERARD (Life Associate Member)	Koffyfontein Mines, Koffyfontein, O.R.C., South Africa.
1909.	Huffam, William Tyers Christopher	Messrs. Babcock & Wilcox, 10 Clive St., Calcutta.
1903.	A.M. HUGHES, ARTHUR MUMFORD	Tilbury Contracting and Dredging Co., 74 Great Tower St., E.C.
1899.	Hughes, Francis Edward	5 Budge Row, Cannon St., E.C.
1909.		Power Station, Katary, Nilgiris, Madras.
1896.	G.) Humphrey, Frederick	Messrs. George Humphrey & Co.,
1907.	A.M.) GEORGE HUMPHREYS, HENRY HERBERT	166 High St., Sevenoaks. Messrs. Evans Thornton & Co., 349 Calle B. Mitre, Buenos Aires, Arg. Rep.
1905.	Humphries, Albert	Royal Laboratory, Royal Arsenal, Woolwich.
1905.	HUNT, DAVID NOËL	22 Craven St., Strand, W.C.
1904.	HUNT, EDWARD	Dist. Loco. Supt., E. Bengal State Rly., Kanchrapara, Bengal, India.
1902.	HUNT, FRANK	Atlas Works, Earls Colne, R.S.O., Essex.

Date	of	101	ont	lon

1910.	HUNTER, ALLAN HUGH	(c/o Professor Hunter, Wellington
1906.	HUNTER, CHARLES FREDERICK	University, Wellington, N.Z. 9 Bellevue Rd., Sunderland.
1902.	HUNTER, EDGAR LAFAYETTE	124 & 25 Leadenhall House, 101
1901. G.)		Leadenhall St., E.C. Carriage and Wagon Supt., N.W.
1903. A.M.	HUNTER, JOHN CHALMERS	Rly., Lahore, India.
1905.	Hunter, John William	41 Lancaster Road, South Hamp- stead, N.W.
1908.	Hunter, Joseph Moore	Motherwell Bridge Co., 82 Victoria St., Westminster, S.W.
1900. G.) 1905. A.M.)	Hunton, William	St. Cuthbert's, Bath.
1906.	HURD, MILNER	Messrs. Gibbons Bros., Dibdale Works, Dudley.
1903.	HURST, BERTRAM LAWRANCE	Craig's Court House, Charing Cross, S.W.
1908.	Hurst, Charles Benjamin	Chambers Motors, Cuba St. Motor Works, Belfast.
1901. G.)	HURST, JOSEPH HENRY	40 Fossdale Road, Millhouses,
1906. A.M.) 1902.	HURSTHOUSE, ERNEST WILLIAM	Clermont, Wellington, N.Z.
1907.	(Hurt, Edward Norman	(Loco. Dept., Lancs. & Yorks. Rly.,
1907.	RICHARD	Sandhills, Liverpool.
1908.	HUTCHINS, FREDERICK HENRY	Ordnance College, R.M. Repository, Woolwich.
1899. G. 1905. A.M.	Hutchison, Percy	c/o H. D. Hutchison, 41 Nanking Rd., Shanghai, China.
1908.	HUTTON, CHARLES INGLIS	Assist. Loco. Supt., Burma Rlys. Co., Insein, Burma.
1902.	Hyde, George	Laurel Mount, West Park, St. Helens, Lancs.
1908.	HYNE, HARRY	Messrs. R. Waygood & Co., Falmouth Rd., Great Dover St., S.E.
1908.	ILIFFE, REGINALD JOSEPH	21 Oakdale Rd., Mossley Hill, Liverpool.
1902.	INDER, CLARENCE JOHN	66 Cheapside, E.C. [Inderdaad,
1900. G.)	INGATE, GEORGE JAMES	Labuan Coalfields Co., Labuan,
1904. A.M.)	ARTHUR	British North Borneo.
1903.	INGLE, HERBERT EDWARD	Messrs. Samuel Williams & Sons, Dagenham Docks, Essex.
1906.	INGRAM, ANTHONY HOWARD	Uskside Engineering Works, New- port, Mon.
1907.	INKSON, NORMAN LEOPOLD	Assist. Loco. Supt., E. I. Rly., Jamalpur, India.
1903.	INNES, AUGUSTUS MONTAGUE	Station Iron Works, Hitchin. [Innes, Hitchin.]
1894. G.)	IRONSIDE, WILLIAM ALLAN	Messrs. Bird & Co., Calcutta,
1897. A.M. § 1906.	ISAAC, GWILYM BERTRAM	India. Old Foundry, Carmarthen.
1896.	Issigonis, George Demos	The D. Issigonis Works, Smyrna, Turkey in Asia.
1900.	Ito, Kumezo	Mitsu Bishi Dockyard and Engine Works, Nagasaki, Japan.
1909.	IZAT, JAMES HAMILTON	Bengal-Nagpur Rly., Padrigung, via
	,	Gondia, India.

1904.	Tion Times Hippow	(Hadfield's Steel Foundry Co., East
	Jack, James Haddow	Hecla Works, Sheffield. 188 Cornwall Rd., S. Tottenham,
1898.	Jackson, Ernest	( N.
1909.	Jackson, John William	Elm Cottage, The Green, Wallsend- on-Tyne.
1898.	Jackson, Robert Hiram	Messrs. Schäffer & Budenberg, Whitworth St., London Rd., Manchester; and Brocton, Caven- dish Rd., Kersal, Manchester.
1905.	Jackson, Robert Montréson	(c/o F. H. Bagge, 121 San Martin, Buenos Aires, Arg. Rep.
1898.	{James, Henry Haughton} Rhodes	57 London Rd., Ipswich.
1907.	James, William Lewis	H.B.M. Office of Works, Shanghai, China.
1902.	James-Carrington, Henry	Winchester House, Victoria Sq., Birmingham; and Hollies, Poplar Avenue, Edgbaston, Birmingham.
1902.	JAMESON, WILLIAM HOPE MASTERTON	Langham Lea, Bowdon, Altrin- cham.
1908.	JANSON, ROWLAND	Messrs. C. C. Wakefield & Co., 5 Rue Jean Baptiste Dumas, Paris.
1902.	{Jayawardena, Theodore God-} FREID WIJESINGHE }	Govt. Factory, Colombo, Ceylon.
1903. 1906. G 1910. A.M	JEFF, WILLIAM	34 Pier Rd., Rosherville, Gravesend. Messrs. William Warne and Co., India Rubber Mills, Barking.
1901.	{Jeffreys, Richard Rice Vesey	P.O. Box 105, Bulawayo, Rhodesia, S. Africa.
1893.	JENKIN, CHARLES JAMES	Eng. and Surveyor, Urban District Council, Finchley, N.
1901. G 1905. A.M		Manager, Masborough Boiler Works, Rotherham.
1910.	{Jesson, George Arthur} { Touchet}	Endsley, Swinton, Manchester.
1903.	JEWSON, HERBERT	Works Manager, Messrs. Hobbies, Dereham.
1910.	JEYES, CHARLES FREDERICK	Elm House, Kingsbury Rd., Erd- ington, Birmingham.
1906.	Job, Norris Henry	Messrs. Head, Wrightson & Co., Teesdale Iron Works, Thornaby- on-Tees.
1910.	JOHNS, Eng. Lieut. BERTRAM JOSEPH GARFIELD, R.N	H.M.S. "Queen," c/o Postmaster General, E.C.
1910.	Johns, Thomas Macduff Mackeloan	2 Tavistock Rd., Plymouth.
1906. 1907.	Johnson, Alfred	Victoria Bldgs., Stockton-on-Tees. 105 London Rd., King's Lynn.
1910.	Johnson, Francis	(Messrs. F. Johnson & Co.,
1908.	Johnson, Francis William	Lincoln St., Hull. Fulbrook Road, Cambridge.
1902.	JOHNSON, FREDERICK AUGUS-	Castleton Foundry and Engineer- ing Works, Armley Rd., Leeds.
1908.	JOHNSON, FREDERICK SAMUEL LOVICE	Manager and Eng., Piplagool Estates, Chandkhira P.O., Sylhet, Assam, India.
1897.	Johnson, George	(P.O. Box 224, Bulawayo, Rhodesia, S. Africa.

140	ASSOCIATE .	DI ED	IDERO.
Date of Election	1.		
1906.	Johnson, Henry		Springfield Avenue, Harrogate.
1910.	Johnson, Herbert Henry	••	[Autocar, Harrogate.] 35 and 36 Bedford St., Strand, W.C.
1908.	Johnson, James		Assist. Loco. Supt., Burma Rlys.,
1300.	OURSON, VARIES	• •	Rangoon, Burma. (Brades Steel Works, near Bir-
1906.	Johnson, Percy Stuart	• •	mingham.
1902.	Johnson, Philip Henry	• •	Messrs. John Fowler & Co., Canada Building, Bombay.
1894. G.) 1898. A.M.)			Castleton Foundry and Engineering Works, Armley Rd., Leeds.
1904.	JOHNSTON, GEORGE WASHIN	IG-	[110 Cannon St., E.C. [Slapjack, London. 8024 Bank.]
1902.	JOHNSTON, LEONARD		(Genl. Manager, Light Rlvs, Dept.,
	(Jolliffe, Christopher		Bristol Rd., Gloucester. (Roath, San Sebastian Hill, Colombo,
1903.	HUBERT		Ceylon.
1910.	Jones, Arthur Redwald		Works Manager, c/o James Gray, Danvers St., Chelsea, S.W.
1903.	Jones, Charles		Chief Electrical Eng., Metropolitan Rly., Power Stn., Neasden, N.W.
1909.	Jones, Charles Harold		The Motor House, Peebles.
1900.	Jones, Frank Harding		Housham Tye, Harlow.
1906.	Jones, Frederick		Melrose Abbey Steamship Co., 117 Connaught Rd., Cardiff.
1907.	Jones, Frederick George		Camborne House, Wells Rd., Tot- terdown, Bristol.
1906.	JONES, GEORGE ROBERT W	IL-	Great Western of Brazil Railway,
1907.	JONES, JOHN WALLACE LIVIN	rG-	Pernambuco, Brazil. Baltic Chambers, 50 Wellington St., Glasgow.
1902.	Jones, Laurence Alban		King's Court, Colmore Row, Birmingham. [Tamar, Birming-
1901.	Jones, Samuel Dawson		Field House, Goscote, Walsall.
1904.	Jones, Samuel Derwen		Oakenroyde, Carlinghow Hill,
1900.	JONES, STANLEY HUNTER		Commercial Gas Works, Stepney, E.
1906.	Jones, Stanley Peters		(Supt., Liverpool Hydraulic Power Co., 123 Athol St., Liverpool.
1902.	JONES, THOMAS MORRIS		3 Hayes Road, Bromley, Kent.
1901.	Jones, William Edwin		{157 Ravenslea Rd., Balham, S.W.
1905. G.) 1906. A.M.)			10 Westmorland Bldgs., Aldersgate St., E.C.
1907.	JORDAN, CECIL WILLIAM		Ashfield, Penlline Rd., Whitchurch, Cardiff.
1900. G.) 1903. A.M.	Josselyn, Edward		Messrs. A. Ransome & Co., Stanley Works, Newark.
1902.	JUKES, JOSEPH WILLIAM		Messrs. Geo. Bray & Co., Leeds.
1909.	JURES, WILLIAM JOHN	••	United Legal Indemnity Insurance Society, 3 Cross St., Manchester.
1907.	KATO, SHIKANOSUKE		(44 Miyazaki Chio, Yokohama, Japan.
1911.	KAVANAGH, CHARLES JOSEPH	H	Carmena, Park Road, Chiswick, W.
1904.	KAY, BRUNEL		Broken Hill Chbrs., 31 Queen St.,
			Melbourne, Victoria.

1902.	KEABLE, ALFRED HENRY	Messrs. Pickfords, 57 Gresham St., E.C.
1901.	KEAST, JAMES CHAMPION	Camborne Mining School, Cam-
1905.	KEEVILL, ROBERT GRAHAM	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	(KELLAR, JAMES DODDS BALLAN-	S.W. Govt. Marine Surveyor's Office,
1909.	TYNE	Singapore, Straits Settlements.
1908.	KEMP, ALFRED VINCENT	Straits Trading Co., Singapore, Straits Settlements.
1905. 1899.	KEMP, HERBERT JOHN	1 Theobald Rd., Cardiff.
1905.	KEMPT, ALFRED RODNEY, R.N. KENNEDY, JAMES ALEXANDER	13 Downs Rd., Clapton, N.E. Langla Tea Co., Langla P.O., S.
		Sylhet, India. Messrs. Howarth Erskine, Singa-
1905.	KENNEDY, WILLIAM	pore, Straits Settlements.
1898. 1901. A.:	G. KENRICK, ARCHIBALD, Jun	149 Fountain Rd., Edgbaston, Birlingham.
1899.	KENSINGTON, JOHN CHARLTON	Resident Eng., San Salvador Rly.
1099.	RENSINGTON, JOHN CHARLTON	and Works, Astillero, Provincia de Santander, Spain.
1902.	KENTISH, HUBERT	Messrs. H. C. Price Lea & Co., 9 Adam St., Adelphi, W.C.
1898.	KERR, JAMES B	Messrs. Capel & Co., 168 Dalston
		Lane, N.E.  St. Catherines Rd., Giffnock,
1908. 1905.	KERR, NORMAN	( Glasgow.
1904.	KERR, PETER WYLLIE KERR, WILLIAM SCOTT	16 Mount View Rd., Stroud Green, N. j Messrs. Richard Moreland & Son,
		\ 80 Goswell Road, E.C. Municipal Technical College, Park
1900.	KERSEY, ALFRED THOMAS JOHN	Street, Hull.
1899.	KERSHAW, GRINDROD	Rochdale Munic. Technical School, Nelson St., Rochdale.
1897.	KETLEY, CHARLES BOSWORTH	128 Colmore Row, Birmingham.
		Messrs. William Bradford & Sons,
1906.	KETTELWELL, HARRY MASON	Carlton Chbrs., 12 Regent St., S.W.
1907.	KETTLE, LAURENCE JOSEPH	Dublin Electricity Works, Pigeon
1904.	(KHALIL, LieutCommander	House Fort, Dublin. Engine Drawing Office, Imperial
	IBRAHIM, I.O.N.	Naval Arsenal, Constantinople. (Messrs. Reavell & Co., Ranelagh
1906.	KIDNER, ALFRED EGERTON	Works, Ipswich.
1902.	KILROY, WILLIE DICKSON	Messrs. Evershed and Vignoles, Acton Lane Works, Chiswick, W.
1907.	KIMMINS, EDWARD RUSSELL	Dudbridge Iron Works, Stroud, Glos.
1907.	KING, CHARLES ALBERT	Heriot-Watt College, Edinburgh.
1901.	KING, ERNEST	Messrs. Mellowes & Co., Corporation St., Sheffield.
1910.	KING, HAROLD CHARLES	Humber Car Agency & Garage, 39
*****		Eden St., Kingston-on-Thames. Chief Eng., Boro' of Southwark Electricity Works, Penrose St.,
1906.	KINGHORN, DAVID MORGAN	Electricity Works, Penrose St., Walworth, S.E.
1905.	KIRBY, EDWARD JAMES	Messrs. J. & P. Coats, 50 Bothwell
		St., Glasgow.

Date of Election	le .	
1893.	Kirk, Percy Roebuck	Principal, Hackney Institute, Dalston Lane, N.E.
1909.	KIRKMAN, PERCY DOBSON	(27 Hill St., Higher Broughton, Salford, Manchester.
1902. G.) 1905. A.M.)	KIRLEW, RICHARD LEOPOLD, Jun	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C.
1910.	KISCH, ELLIS ABRAHAM DAVID-	Ailsa Craig Motor Co., Strand-on-
1904.	KITCHEN, JONATHAN	the-Green, Chiswick, W. Messrs. T. Balmforth & Co., Luton.
1901.	KITCHIN, JOHN WILLIAM	Para Construction Co., 9 Rue Louis-le-Grand, Paris.
1904.	KITCHIN, WILLIAM ARCHIBALD	Electric Light & Power Station, H.M. Dockyard, Chatham.
1896. G.) 1902. A.M.	KITSELL, ARCHIBALD EDWARD	Bridge Rd. Engineering Works, Bridge Rd., Harlesden, N.W.
1906. 1908.	KNIGHT, STEPHENSON YATES KNIGHTS, HENRY NEWTON	Highmead, Llanishen, Cardiff.  19 St. Dunstan's Hill, E.C.
1903.	KNOCKER, GEORGE STODART	East View, Battery Green Rd., Lowestoft.
1910.	KNOTT, Eng. Lieut. BERTRAM WILLIAM, R.N	3 St. Saviour's Rd., Brixton Hill, S.W.
1901.	KNOTTESFORD - FORTESCUE, Rev. John Nicholas	Hollington, Stoke-on-Trent.
1903.	Knowles, George Stanley	57 Victoria Rd., Tientsin, China.
1903. G.) 1905. A.M.	Knowles, Guy John Fenton	Park Lodge, Albert Gate, S.W.
1909.	Knowles, Leonidas	Res. Eng., Engineering Dept., The University, Manchester.
1905.	Knox, Robert	199 Meadowpark St., Dennistoun, Glasgow.
1907.	KYLE, ROBERT ARCHIBALD	Administracion, F. C. B. A. al Pacifico, Bahia Blanca, Arg. Rep.
1907.	LIACK, CHARLES LIBBIT	Chief Eng., Messrs. Chivers, The Factory, Histon, Cambridge.
1908.	LAGRANGE, FREDERIC ALEX-	1111 Paseo Colon, Buenos Aires, Argentine Republic.
1902. G.) 1909. A.M.)	LAIRD, ANDREW OSWALD	Engineer's Office, Victoria Docks, E.
1902. G.) 1905. A.M.)	LAIRD, STANLEY MORRISON	Messrs. Brown, Lenox & Co. (London) Ltd., Millwall, E.
1907.	LAITY, HARRY THOMPSON	Blythswood, Marazion, Cornwall.
1907.	Lake, Charles Sidney	South Court, Chalfont Common, Bucks.
1904.	LAKE, HENRY BARKER	Laboratory, C. P. Rly., Winnipeg, Canada.
1900. G. 1903. A.M.	Lakin-Smith, Clifford	184 Hagley Rd., Edgbaston, Birmingham.
1903.	Lamb, Sidney Ernest	University College, Auckland, New Zealand.
1907.	Lambert, Anthony Poignand	Chief Eng., Duff Development Co., Kelantan, Siam.
1906.	Lambert, James Graham	Gillette Safety Razor Co., St. Saviour's Rd. East, Leicester.
1903,	Lambert, John Henry	Loco. Dept., S. Indian Rly., Negapatam, India.
1907.	LANCASTER, EDWARD HENRY	[Lancamoto, London. Hop 3856.]

	••	
1903.	LANCASTER, JOHN HAYES	Messrs. Foucar & Co., Rangoon, Burma.
1909.	LANCASTER, SIDNEY DAVID	Messrs. Hunter and English, 202 Bow Road, E.
1906,	Lander, Albert Jesse	Middx. County Tramways & Light Rlys., Guildhall, Westminster, S.W.
1908. 1906,	Lander, Cecil Howard Landstein, Joseph	Victoria University, Manchester. 110 Queen's Rd., Bayswater, W.
1907.	LANDSTEIN, WILFRED	(c/o Messrs. W. Mansfield & Co., Singapore, Straits Settlements.
1909.	LANE, ARTHUR	Govt. Fire Station, Queen's Road, Hong Kong, China.
1905. G. 1910. A.M.		Works Manager, Messrs. J. J. Lane, Phænix Engine Works, Cran- brook St., Old Ford Rd., E.
1904.	LANE, NORMAN AUGUSTUS	Central House, 75 New St., Birmingham.
1898. G. 1904. A.M.	Langdon, Harold Arthur William	Loco. Supt., Bolivar Rly.; c/o Messrs. Boulton & Co., Puerto Cabello, Aroa, Venezuela.
1904.	LANGLEY, GEORGE	49 Bromham Rd., Bedford.
1910.	Langton, Aubrey Richard	Pfleumatic Syndicate, 82 Victoria St., Westminster, S.W.
1907.	LANGTON, JOHN MONTAGUE	Egyptian State Rlys., Tantah, Lower Egypt.
1905.	LARKE, WILLIAM JAMES	British Thomson - Houston Co., Rugby.
1901.	LARKIN, FREDERICK STANLEY	Gas Light and Coke Works, 35 Harwood Tce., Fulham, S.W.
1897.	LARMUTH, JOHN HAMILTON	Todleben Iron Works, Unwin St., Cross Lane, Salford, Manchester; and 115 Claremont Rd., Irlams- o'-th'-Height, Manchester.
1909.	LATHAM, FRANK	Borough Engineer, Public Buildings, Penzance.
1904. G. 1910. A.M.		55 Melville Rd., Edgbaston, Birmingham.
1906.	LAWRENCE, HENRY PERCY	(Ipoh, Perak, Federated Malay States.
1907.	LAWRENCE, JULIUS PIERPOINT	Knaresborough.
1905.	Lawson, Francis Malcolm	11 Conyngham Rd., Rusholme, Manchester.
1910.	LAWSON, FREDERICK WASH-	Public Works Dept., Perth, Western Australia.
1905.	Lawson, John Charles Staveley	P.O. Box 413, Lachine, P.Q., Canada.
1902.	Lawson, William	Messrs. Crossley Bros., Openshaw, Manchester; and Rosegarth, Ir- lam Rd., Sale, Manchester.
1893.	LEA, ARTHUR HENRY	Messrs. Lea & Warren, Kettering.
1910.	LEACH, HARRY	Messrs. Otto Monsted, Godley, Hyde.
1906.	LEACH, RICHARD BERTRAM	Electl. Eng., Council Offices, Brom- ley Cross, Bolton.
1902.	LEACH, ROBERT WILLIAM	[31 Queen St., Wolverhampton. [Deflection, Wolverhampton. 851.]
1903.	LEAN, CLEMENT	Thanet House, Temple Bar, W.C.
1905.	LEE, HORACE PELHAM	Dereham, Putney Hill, S.W.

Date	of	Ell	ecti	on.

Date of El	ection.	
1906.	LEE, RALPH ARNT EDWARD BERNARD	Assam Oil Co., Digboi P.O., Upper Assam, India.
1905.	LEE, WILLIAM HAROLD	Sir J. Jackson (Chile), Ltd., F. C. de Arica á la Paz, Arica, Chile.
1901.	LEEDS, EDWARD LAMBERT	Niles-Bement-Pond Co., 111 Broad- way, New York, U.S.
1909.	Lees, Christopher John	Union Club, Johannesburg, Trans- vaal.
1909.	Leevers, Frederic William	Messrs. Yonei Shoten, 12 Nichome Cho, Ginza, Tokyo, Japan. Vid Siberia.
1906.	Leggat, John	Caledonian Chbrs., 102 St. Mary St., Cardiff.
1908.	LE MASURIER, JAMES	Messrs. Paterson Simons & Co., Singapore, Straits Settlements.
1898.	LEONARD, PETER	The Cottage, Crosby, Liverpool. (Messrs. Joseph Baker & Sons,
1901.	LESTER, JOHN MILNER	Willesden Junction, N.W.; and 9 Hindes Rd., Harrow.
1910.	LEVER, JOSEPH	Messrs. J. Lever & Co., Walkden, Manchester. (Tachnical Dept. Messrs Grace
1902.	LEWENZ, HENRY IVAN	Technical Dept., Messrs. Grace Bros. & Co., 144 Leadenhall St., E.C.
1902.	LEWIS, FREDRICK WILLIAM	Westover, Carline Rd., Lincoln. (Chief Eng., Law Accident Engi-
1908.	Lewis, John	neering Insurance Society, 215 Strand, W.C.
1906.	Lewis, Paul Alexander	Supt. Eng., Messrs. W. Butler & Co., Springfield Brewery, Wolverhampton.
1904.	LEWIS, WILLIAM YORATH	(49 Queen Victoria St., E.C. [8349 Bank.]
1903.	LEWIS-DALE, HENRY ANGLEY	Director of Works Dept., H.M.  Dockyard, Malta.
1903. 1905. A.	G. LIDBETTER, CHARLES FRED-	90 Dukes Avenue, Chiswick, W.
1902.	LIDDELL, GUY	Junior Carlton Club, Pall Mall, S.W.
1909.	LINDOP, WILLIAM	Works Manager, South Stafford- shire Mond Gas Co., Tipton. Messrs. Croft & Perkins, Great
1904.	LINDSAY, HENRY	Northern Works, Leeds Rd., Bradford.
1901.	LINDSAY, The Hon. WALTER	2 Cavendish Sq., W.
1902.	LINDSEY-BADCOCK, WILLIAM	Chief Engineer's Office, G.W. Rly., Paddington, W.
1909.	{Lindsley-Sims, Archibald William	Messrs. Greenwood and Batley, Albion Works, Armley Rd., Leeds.
1907. 1909. A.	$\left. egin{array}{ll} G. \\ M. \end{array}  ight\}$ Linnell, Arthur Evelyn $ \ldots $	Kettering Iron & Coal Co., Kettering Furnaces, Kettering.
1902.	LINSCOTT, ARTHUR BURROW	(P.O. Box 4013, Johannesburg, Transvaal.
1904.	LISHMAN, JOHN JAMES	Moult Tors, Salcombe, S.O., Devon.
1903.	LISTER, ARTHUR JAMES	Duchy Chbrs., Clarence St., Man- chester.
1908.	LISTER, JOHN EDWARD	Messrs. W. J. Jenkins & Co., Beehive Works, Retford.
1906.	LITHGOE, JOHN	Messrs. Royce, Ltd., Trafford Park, Manchester.

Date of Election	l.	
1000	T 317 To	(7 Proclamation St., Subiaco,
1908.	LITTLEJOHN, WILLIAM JOHN	Western Australia.
1908.	Treescore Arenes Pavece	Messrs. Spillers and Bakers, Red-
1300.	LIVERMORE, ALFRED ERNEST	cliff Back, Bristol.
1904. G.)	LLOYD, WILLIAM EDWARD	Resident Engineer, Municipal
1910. A.M.	LILOTD, WILLIAM EDWARD	Offices, Tuns Gate, Guildford.
		Messrs. Fred Wilson & Co., 41
1907.	LOADER, JAMES FREDERICK	Urbiztondo, Manila, Philippine
		Islands.
1897. G.	LOCKET ATHOL.	Hukanpukoi, Tinsukia P.O., Upper
1900. A.M.)		Assam, India.
1910.	Lockwood-Bunce, Thomas	15 Sugnall St., Liverpool.
1910.	LOMAS, GEORGE ALBERT	Messrs. James Simpson and Co.,
	,	Newark-on-Trent.
1909.	LOMAX, SAMUEL	High Road, Woodford, N.E.
1903.	London, WILLIAM JAMES	Terry Steam Turbine Co., 223 State
	ALBERT	St., Hartford, Conn., U.S.
1909.	LONGHURST, HENRY ALEX-	66 Farringdon Street, E.C.
	( ANDER)	(Northampton Institute, Clerken-
1903.	LONGLAND, WALTER, B.Sc	well, E.C.
		(B.B. & C.I. Ry., Loco. & Carr.
1905.	LONGLEY, ROLAND GEORGE	Dept., Lower Parel, Bombay.
		(Messrs. Burn & Co., Rangoon,
1905.	LONGWORTH, ALFRED EDGAR	Burma.
1000	Tona Wayner	Technical Institute, Palmyra Sq.,
1906.	LORD, FRANK	Warrington.
1902.	LORIMER, ALEXANDER SMITH	(North British Locomotive Co.,
1304.	DORIMER, ALEXANDER SMITH	Queen's Park Works, Glasgow.
1896.	LOVELL, SAMUEL GEORGE	Stickney, Boston.
1903.	LOVERIDGE, ARTHUR WALTER	Swindon and N. Wilts. Tech.
1000.		School, Swindon.
1910.	Low, WILLIAM LINDSAY SIN-	Messrs. Malcomess & Co., King
2020	( CLAIR	William's Town, Cape Colony.
1908.	LOWER, RICHARD ANTHONY	Clifton Baths Garage, Cliftonville,
		Margate.
1903, 1904.	LUCAS, RALPH	Greenhall, Forest Row, Sussex. 9 Princess Square, Plymouth.
1904.		(Messrs. James Lumb & Sons.
1909.	LUMB, LEVI	Perseverance Works, Elland.
		Messrs. Korting Bros., 53 Victoria
1898.	LUND, JOHN	St., Westminster, S.W.
1000 0		(Messrs. Joshua Buckton & Co.,
1900. G.		Well House Foundry, Meadow
1902. A.M.	,	Rd., Leeds.
1901.	LYDDON, GEORGE EDWARD	13 Brent Road, Shooter's Hill, Kent.
1904.	LYONS, ROBERT ERNEST BRA-	Fabrica Colon, Entre Rios, Arg.
1001.	BAZON	Rep.

Data	of	Tel	anti	an

Date of Election.	
1907. McBride, James Scott	8 Merchant's Quay, Cork.
1902. McCaffery, James	Electrical Eng., H.M. Dockyard,
	Sheerness.
1904. G.) MACCALLUM, ANDREW HUM-	Messrs. Crompton & Co., Arc
1907. A.M. PHRY SALWEY	Works, Chelmsford.
1904. McCallum, Edward Alfred	Maikop Oil Fields Synd., Apsheron- skaya, Maikop, Cuban District,
1304. MICCALLOM, EDWARD ALFRED	Russia.
(McCarthy-Jones, Christo-	The state of the s
1908. PHER HOWEL	Box 271, Calcutta.
	Farringdon Engineering Co., 29
1907. McClelland, James Craig	Red Lion Street, Clerkenwell,
	E.C.
1904. McClelland, John James	262 Victoria Park Rd., South Hack-
2001	ney, N.E.
1904. McClure, John Rayner	4541 Marmion Way, Los Angeles,
	California, U.S.  (2 Hatfield House, Great Titchfield
1909. MacCormac, Robert Sides	St., W.
(MACCURRACH, DOUGLAS COCH-	
1901. RANE	minster, S.W.
1900. G.) McDermott, Hugh	3 Thurleigh Road, Wandsworth
1904. A.M.) MCDERMOTT, 110GH	Common, S.W.
1908. MACDONALD, JOHN RANALD	Athenaum Club, Johannesburg,
, , , , , , , , , , , , , , , , , , , ,	Transvaal.
1905. G. McDonald, Neil	(c/o Miss Munn, Barcaldine, Ledaig,
1909. A.M.) 1901. G.) McDowers Western	Argyll.
1903. A.M. McDonald, William	Lodge & Shipley Machine Tool Co., Cincinnati, Ohio, U.S.
·	Messrs. R. Wolf, 7 Laurence Pount-
1907. MacFarlane, James Brock	ney Hill, Cannon St., E.C.
	(Managing Director, Messrs. Miller
1910. Macfie, William Leslie	and Macfie, 20 Stanley St.,
	Kinning Park, Glasgow.
1894. McGeorge, James	Bombay Burmah Trading Corpn.,
	Rangoon, British Burmah.
1902. McGhee, Alexander	26 Ingledew Crescent, Roundhay,
	Leeds. 8 Charles St., Livesey St., Manches-
1904. McGown, Rogers	ter. [2575.]
1901. G.) Machagon Tanga	Caixa 114, Great Western of Brazil
1903. A.M. McGregor, James	Rly., Pernambuco, Brazil.
1897. G.) McGrucon John	(Messrs. Murray and Paterson,
1898. A.M. McGregor, John	Coatbank Engine Works, Coat-
	bridge.
1005 Maggargan Togram Tun	Garage Continental Ltd., Rissik &
1905. MacGregor, Josiah, Jun	Marshall St. Corner, Johannes-
	burg, Transvaal. Genl. Manager, Central Baths,
1904. McGregor, Walter	West Protection Wall, Dundee.
	(Loco. Supt., Fazenda Dumont.
1906. McIntyre, Charles	Loco. Supt., Fazenda Dumont, Ribeirão, Preto, São Paulo,
	Brazil.
1904. McJerrow, Thomas	Ashanti Goldfields Corpn., Obuassi,
	Sekondi, Gold Coast Colony. Municipal Electrical Eng., Singa-
1901. Mackail, John Henderson	nore Straits Settlements
(Mackay, Harry John Suther-	pore, Straits Settlements. (Stirling Boiler Co., 58 Victoria St.,
1903. LAND	Westminster, S.W.
	, , , , , , , , , , , , , , , , , , , ,

1909.	MACKELLAR, ERNEST CAMP-	76 Cambridge Mansions, Battersea Park, S.W.
1910.	MACKENZIE, KENNETH LEO-	Messrs. G. and C. Hoskins, Lithgow, New South Wales.
1901.	McKerlie, James	Direccion General de los Ferrocarriles del Estado, Santiago, Chile.
1906. G. 1908. A.M.	MACKIE, RONALD HASTINGS	Assist. Loco. Supt., Burma Rail-
		\ \text{ways Co., Insein, Burma, India.} \( \text{Messrs. P. Speakman & Sons, 6} \)
1909.	MACKIE, TOM DARKE	East India Avenue, E.C.
1906.	Mackinder, John Herbert.	54 Doughty Street, W.C. (32 Victoria Rd., Sutton Coldfield,
1907.	Mackintosh, Donald Grant	Birmingham.
1909.	Mackintosh, Robert David	Messrs. Thomas Begbie & Co., P.O. Box 192, Middelburg, Transvaal. Messrs. Ernest Scott and Mountain,
1909.	Mackley, Edward Norman	Close Works, Newcastle-on-Tyne.
1911.	McLaren, Hugh	Victoriaborg, Acera, Gold Coast.  Thomason Civil Engineering Col-
1903.	McLaren, William David	lege, Roorkee, U.P., India.
1904.	McLean, Alexander Malker	Ocean Accident and Guarantee Corpn., 9 Albert Sq., Manchester; and 6 Worcester Avenue, Club-
1000	M. craus Tuena Popposition	( moor, Liverpool. (Arsenal de São Theago, Funchal,
1909.	Maclean, James Borrowman	Madeira.
1910.	Maclean, William Eustace	Existing Lines Dept., Govt. Rlys., Bridge St., Sydney, New South Wales.
1910.	MacLennan, Alexander	Messrs. Howarth, Erskine Ltd., Singapore, Straits Settlements.
1903.	Maclennan, Hope Vere	Chief Mech. Eng., Kimberley Water Works, Kimberley, S. Africa.
1903.	Macleod - Carey, Arthur William Joseph	To File Road, Darnington.
1910.	McMahon, John Francis	Supt., G.N. and City Rly. Co., Power House, Poole St., New
1891. A.		North Rd., N. (Cogry Flax Spinning Mills, Doagh,
1891. A. 1896. A.M.		R.S.O., Co. Antrim, Ireland.
1906.	McNicoll, Walter	Shandon Place, 207 Albert Street, Dundee.
1908.	McPherson, John	The New Mill, Bally, Calcutta.
1906.	McTurk, Alexander Glad-	Chief Mech. Eng., Messrs. Barber, Walker & Co., Eastwood Col-
	STONE	lieries, Nottingham.
1907.	Madden, Henry Dacre	Grangetown Gas Works, Cardiff. (Chief Supt. Eng., Messrs. Spros-
1909.	Maggs, Charles James	tons, Georgetown, Demerara, British Guiana.
1909.	MAITLAND, ALEXANDER	Calcutta Fire Insce.Agents'Assocn., P.O. Box 280, Bengal Chamber
1902. G.		of Commerce, Calcutta.  Melton Estate, Lindula, Ceylon.
1903. A.M. 1903. G.		(Tremere, Alexandra Rd., Finsbury
1910. A.M.	MALDEN, HERBERT JOHN	Park, N.
1905. G. 1910. A.M.		Eng., British Cigarette Co., Moukden, Manchuria.

Malley, Christopher Edwin   Arthur Hewitson   Mallinson, Abthur Benjamin   Mallinson, Abthur Benjamin	Date of Election	•	
1907. MALLINSON, ARTHUR ERNEAT  1908. MALTHUS, ROBERT Bystock House, Exeter.  1906. MANFIELD, WALTER GUY	1908.		
1907. MALPAS, ARTHUR ERNEST  1904. G. 1900. A.M. 1905. G. 1910. A.M. 1906. MANFIELD, WALTER GUY 1907. {  MANNING, ERNEST 1908. MANNING, ERNEST 1909. MANNING, ERNEST 1910. MANSFIELD, FRANK 1999. G. 1901. MARSJEELD, WALTER 1901. MARSJEELD, WALTER 1902. A.M. 1909. MARR, JAMES 1909. MARR, JAMES 1909. MARR, JAMES 1909. MARR, JAMES 1909. MARR, WILLIAM KAY 1909. MARR, JAMES 1909. MARR, WILLIAM KAY 1909. MARR, WILLIAM KAY 1909. MARSJEEN, JAMES ROBINSON 1900. MARSDEN, WALTER 1909. MARSJEELD, WALTER 1909. MARR, WILLIAM KAY 1909. MARR, WILLIAM KAY 1909. MARRADEN, WALTER 1909. MARRADEN, WALTER 1909. MARRADEN, WALTER 1909. MARRADEN, WALTER 1909. MARSDEN, WALTER 1909. A.M. 1900. MARSDEN, WALTER 1909. MARSDEN, WALTER 1909. A.M. 1900. MARSDEN, WALTER 1909. A.M. 1900. MARSDEN, WALTER 1909. A.M. 1900. MARSHALL, ARTHUR GROTJAN 1900. MARSH	1907.	Mallinson, Arthur Benjamin	
1904. G. 1905. G. 1910. A.M. 1905. G. 1910. A.M. 1906. MANFIELD, WALTER GUY (Co the Director, Royal Indian Marine, Bombay. Messrs. Mangold Brothers, Port Elizabeth, Cape Colony. 1907. MANNING, ERNEST	1907.	Malpas, Arthur Ernest	Works Manager, Ammonia Soda
1910. A.M.   MANFIELD, WALTER GUY   MANFIELD, WALTER GUY   MANGOLD, CHARLES AUGUST   MANN, Eng. Lieut. WILLIAM   SELWYN, R.N.   28 Bark Place, Bayswater, W.		Malthus, Robert	
Selwyn, R.N.   Selw	1905. G.)	Manfield, Walter Guy	
1907. { MANN, Eng. Lieut. WILLIAM SELWYN, R.N	1906.	Mangold, Charles August	
1908. MANNING, ERNEST	1907.		
1907.     MANNING, REGINALD PERCY MILTON	1908.	Manning, Ernest	trical Insurance Co., 12 King
1901. MANNOCK, JAMES JACKSON  1897. G. 1904. A.M. 1899. G. 1897. A.M. 1899. G. 1897. A.M. 1908. MANSFIELD, WALTER  1908. MANUEL, CECIL OSMOND  1901. MARCH, SYDNEY HERBERT  1903. MARGETSON, ALFRED JAMES  1892. G. 1903. A.M. 1900. MARKS, GORDON CUMMING  1909. MARR, JAMES  1909. MARR, WILLIAM KAY  1909. MARR, WILLIAM KAY  1909. MARR, WILLIAM KAY  1909. MARR, WILLIAM KAY  1909. MARRSDEN, ALFRED  1909. MARRSDEN, JAMES ROBINSON  1909. MARSDEN, JAMES ROBINSON  19004. MARSDEN, WALTER  19005. MARSDEN, WALTER  19006. MARR WILLIAM KAY  19007. MARSDEN, WALTER  19008. MARSDEN, JAMES ROBINSON  19009. MARSDEN, JAMES ROBINSON  19004. G. 1904. G. 1904. MARSDEN, WALTER  19007. MARSHALL, ARTHUR GROTJAN  19007. MARSHALL, REGINATO  19008. MARSHALL, REGINATO  19009. MARSHALL, RICKINATO  19009. MARSHALL, RICKINATO  19009. MARSHALL, RICKINATO  19009. MARSHALL, RICKINATO  19009. MARSHALL, BEGINATO  19009. MARSHALL, BEGINATO  19009. MARSHALL, BEGINATO  19009. MARSHALL, BEGINATO  180008. MARSHALL, BEGINATO  1804 Curzon Road, Prenton, Birkenhead  1805 Creewood Bldgs., Brunswick St., Liverpool  1804 Curzon Road, Prenton, Eggypt  1804 Curzon Road, Prenton, Elegypt  1804 Curzon Road, Sharia  1805 Creewood Bldgs., Brunswick St., Liverpool  1804 Curzon Road, Prenton, Eggypt  1804 Curzon Road, Prenton, Elegypt  1805 Creewood Bldgs., Brunswick St., Liverpool  1804 Curzon Road, Prenton, Begurd  1804 Curzon Road, Prenton, Elegypt  2004 Char	1907.	,	
1897. G. 1904. A.M. 1899. G. 1907. A.M. 1894. G. 1897. A.M. 1908. MANSFIELD, WALTER 1901. MARCH, SYDNEY HERBERT 2 Charlotte St., Mosley St., 1903. A.M. 1909. MARKS, ALFRED JAMES 1909. MARR, JAMES 2 Carlton House, Regent Street, S.W. 1909. MARR, WILLIAM KAY 1909. MARRALL, ARTHUR GROTJAN 1900. MARSHALL, REGULD S. MARSHALL	1901.	Mannock, James Jackson	Works, Oldham. [Falcon, Old-
1907. A.M.   1894. G.   1897. A.M.   MANSFIELD, WALTER   Creewood Bldgs., Brunswick St., Liverpool.   Manager, Burmah Oil Co.'s Works, Budge Budge. Viâ Calcutta.   Messrs. Charles Churchill & Co., 2 Charlotte St., Mosley St., Manchester.   Central Technical College, Exhibition Rd., S. Kensington, S.W.   39 Corporation St., Birmingham.   36 Park Road, Spencer Park, S.W.   Calcuttan House, Regent Street, S.W.   Coke Oven Construction Co., Gell St., Sheffield.   Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.   Works Dept., H. M. Dockyard, Gibraltar.   3 Regent House, Wirtemburg St., Clapham, S.W.   Campbell Gas Engine Co., Kingston, Halifax.   Marshall, Arthur Grotjan   Lamber Road, Shanghai, China.   Marshall, Arthur Grotjan   Lamber Road, Shanghai, China.   Lamber Road, Brixton, Marshall, Arthur Grotjan   Lamber Road, Shanghai, China.   Lamber Road, Brixton, Lamber	1904. A.M.	Mansfield, Frank	34 Curzon Road, Prenton, Birken-
1894. G. 1897. A.M.  1908. MANUEL, CECIL OSMOND  MANUEL, CECIL OSMOND  MARCH, SYDNEY HERBERT  1901. MARCH, SYDNEY HERBERT  1903. MARGETSON, ALFRED JAMES  1892. G. 1903. A.M. 1909. MARKS, ALFRED PALLY  1909. MARRS, GORDON CUMMING  1909. MARR, JAMES  MARR, JAMES  MARR, WILLIAM KAY  1902. MARRIAN, ARTHUR EDWARD  1903. MARSDEN, ALFRED  MARSDEN, JAMES ROBINSON  MARSDEN, WALTER  MARSHALL, ARTHUR GROTJAN  MARSHALL, ARTHUR GROTJAN  MARSHALL, REGINALD  MARSHALL, BEGINALD  MARSDEN, MARSHALL  MARSHALL		Mansfield, Oliver	) ,
Budge Budge. Viâ Calcutta.  1901. MARCH, SYDNEY HERBERT {  1903. MARGETSON, ALFRED JAMES {  1904. MARSHALL, ARTHUR GROTJAN }  1905. MARSHALL, ARTHUR GROTJAN }  1906. MARSHALL, REGINALD {  1907. MARSHALL, REGINALD {  1908. MARSHALL, REGINALD {  1909. MARSHALL, REGINA	1894. G.)	Mansfield, Walter	Creewood Bldgs., Brunswick St.,
1901. MARCH, SYDNEY HERBERT 2 Charlotte St., Mosley St., Manchester.  1903. MARGETSON, ALFRED JAMES 2 Central Technical College, Exhibition Rd., S. Kensington, S.W.  1892. G. 1903. A.M. 3 Park Road, Spencer Park, S.W.  1909. MARR, JAMES 2 Carlton House, Regent Street, S.W.  1909. MARR, JAMES 2 Coke Oven Construction Co., Gell St., Sheffield.  1905. MARR, WILLIAM KAY 4 Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.  1902. MARRIAN, ARTHUE EDWARD 4 Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.  1902. MARRIAN, ARTHUE EDWARD 4 Regent House, Wirtemburg St., Clapham, S.W.  1904. MARSDEN, JAMES ROBINSON 4 Clapham, S.W.  1904. MARSDEN, WALTER 5 Campbell Gas Engine Co., Kingston, Halifax.  1907. MARSHALL, ARTHUE GROTJAN 1 A Jinker Road, Shanghai, China.  1907. MARSHALL, REGINALD 182 Loughborough Rd., Brixton,	1908.	MANUEL, CECIL OSMOND	Budge Budge. Viâ Calcutta.
1892. G. 1903. A.M. 1909. MARRY, ALFRED PALLY	1901.	MARCH, SYDNEY HERBERT	2 Charlotte St., Mosley St.,
1903. A.M.) 1900. Marks, Gordon Cumming 36 Park Road, Spencer Park, S.W. 1903. Marples, Stephen Arnold {Carlton House, Regent Street, S.W.} 1909. Marr, James {Coke Oven Construction Co., Gell St., Sheffield.} 1905. Marr, William Kay {Coke Oven Construction Co., Gell St., Sheffield.} 1902. Marrian, Arthur Edward {Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.} 1902. Marrian, Arthur Edward {Works Dept., H. M. Dockyard, Gibraltar.} 1899. G. } 1902. A.M. } 1910. Marsden, Alfred {S Regent House, Wirtemburg St., Clapham, S.W.} 1910. Marsden, James Robinson {Power Gas Corporation, Stocktonon-Tees.} 1904. G. } 1904. G. } 1905. Marshall, Arthur Grotjan {Broom Grove House, Sheffield.} 1907. Marshall, Arthur Grotjan } 1907. {Marshall, Nusserwanji Marshall, Nusserwanji Marshall, Britton, Stockton.} 1907. {Marshall, Reginald Grotjan } 1908. Loughborough Rd., Brixton,	1903.	MARGETSON, ALFRED JAMES	
1900. Marks, Gordon Cumming 36 Park Road, Spencer Park, S.W.  1903. Marples, Stephen Arnold {Carlton House, Regent Street, S.W.}  1909. Marr, James {Coke Oven Construction Co., Gell St., Sheffield.}  1905. Marr, William Kay {Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.}  1902. Marrian, Arthur Edward {Gibraltar. } {Works Dept., H. M. Dockyard, Gibraltar.}  1899. G. } Marsden, Alfred {3 Regent House, Wirtemburg St., Clapham, S.W.}  1910. Marsden, James Robinson {Power Gas Corporation, Stocktonon-Tees.}  1904. Marsden, Walter {Campbell Gas Engine Co., Kingston, Halifax.}  1907. Marshall, Arthur Grotjan   Marshall, Arthur Grotjan   Spoom Grove House, Sheffield.}  1907. Marshall, Nusserwanji   Marshall, Brishall   Spoom Grove House, Sheffield.}  1908. Loughborough Rd., Brixton,	1892. G.) 1903. A.M.	MARKS, ALFRED PALLY	39 Corporation St., Birmingham.
1905. MARRILE, SIEFREN ARNOID.:  1909. MARR, JAMES	/		
1909. MARR, JAMES St., Sheffield.  (Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.  1902. MARRIAN, ARTHUR EDWARD St., Sheffield.  (Chief Eng., 3rd Circle Irrigation, Alexandria, Egypt.  (Works Dept., H. M. Dockyard, Gibraltar.  3 Regent House, Wirtemburg St., Clapham, S.W.  (Power Gas Corporation, Stocktonon-Tees.  1904. Marsden, Walter Scampbell Gas Engine Co., Kingston, Halifax.  1907. Marshall, Arthur Grotjan  1907. Marshall, Arthur Grotjan  1907. Marshall, Nusserwanji  1907. Marshall, Nusserwanji  1907. Marshall, Reginald  182 Loughborough Rd., Brixton,	1903.	MARPLES, STEPHEN ARNOLD	S.W.
1905. MARR, WILLIAM RAY { Alexandria, Egypt. Works Dept., H. M. Dockyard, Gibraltar.   1899. G. 1902. A.M.}  1910. MARSDEN, ALFRED { 3 Regent House, Wirtemburg St., Clapham, S.W.   1910. MARSDEN, JAMES ROBINSON { Power Gas Corporation, Stockton-on-Tees.   1904. MARSDEN, WALTER { Campbell Gas Engine Co., Kingston, Halifax.   1904. G. 1909. A.M.   1907. MARSHALL, ARTHUR GROTJAN   1907. { MARSHALL, NUSSERWANJI   1907. { MARSHALL, NUSSERWANJI   1907. { MARSHALL, BEGINALD   1908.   1909. A.M.   1	1909.	MARR, JAMES	St., Sheffield.
1899. G. 1902. A.M. 1910. MARSDEN, ALFRED	1905.	MARR, WILLIAM KAY	Alexandria, Egypt.
1902. A.M.)  MARSDEN, ALFRED	1902.	MARRIAN, ARTHUR EDWARD	Gibraltar.
1904. Marsden, Walter		Marsden, Alfred	Clapham, S.W.
1904. MARSDEN, WALTER	1910.	Marsden, James Robinson	
1909. A.M. MARSHALL, ARTHUR GROTJAN 1A Jinker Road, Shanghai, China.  1907. MARSHALL, NUSSERWANJI Esplanade Rd., Bombay.  1904. MARSHALL REGUNALD (182 Loughborough Rd., Brixton,	**	MARSDEN, WALTER	
1907. MARSHALL, ARTHUR GROTJAN 1a Jinker Road, Shanghai, China.  1907. MARSHALL, NUSSERWANJI Esplanade Rd., Bombay.  1904. MARSHALL, BEGINALD (182 Loughborough Rd., Brixton,	1904. G.) 1909. A.M.	Marsh, Harry Evelyn	Broom Grove House, Sheffield.
MANECKSHAW Segmande Rd., Bombay.			
	1907.	/ · · · · · · · · · · · · · · · · ·	
	1904.	Marshall, Reginald	

Da	te	of	El	ecti	on.

1908. Marshall, Roland	Burgh Electrical Eng., Corpn. Electricity Works, Mill St., Ayr.
1910. Marshall, Weir Christian	Law Accident Insurance Society, City Chambers, Leeds.
1907. {MARSHALL, WILLIAM HENRY UPTON	Messrs. Dick, Kerr & Co., Abchurch Yard, Cannon St., E.C.
1905. MARSHALL, WILLIAM JOHNSTONE	St. Stephen's House, Westminster, S.W.
1888. G.) M. DELLE HADREN PRINCEN	(care of E. B. Marten, Pedmore,
1904. A.M. MARTEN, HUBERT BINDON	Stourbridge.
1908. Martin, Ernest	Sparkbrook, Birmingham.
1907. MARTIN, FRANCIS	Waterworks Eng., Cuckfield Rural District Council, Boltro Rd.,
	Haywards Heath. (Atmospheric Steam Heating Co.,
1910. MARTIN, GEORGE WILLIAM	52 Gray's Inn Rd., W.C.
1904. Marty, Ernesto	Loco. Works Manager, Talleres Penarol, F. C. Central del Uru-
TOOL.	guay, Uruguay.
1905. Marty, Federico	F. C. Oeste, Trenque Lauquen, Prov. Buenos Aires, Arg. Rep.
1905. MARYON, ARTHUR THOMPSON	41 HandenRd., Lee, S.E.
1902. MASCALL, ARTHUR EDWARD	3 Ryle Rd., Nether Edge, Sheffield.
1009 G)	(L. & N.W. Rly., Wolverton, R.S.O.,
1905. A.M. MASON, CHARLES LYALL	Bucks.
1905. Mason, Francis Bernard	Messrs. Dorman, Long & Co., 19 Victoria St., Westminster, S.W.
1901. Mason, John William Victor	Mona Works, Barlow Rd., Levenshulme, Manchester.
1904. Mason, William	Walker Engineering Laboratories, The University, Liverpool.
1900. Massey, Edward	Dallam Forge, Warrington.
1900. MATE, WALTER EDWIN	(Ipoh, Perak, Federated Malay States.
1909. MATHEWS, ALBERT ROGER	Sea View, Royapuram, Madras, India.
1907. MATHEWS, ERNEST GORDON	349 Clanricarde Gardens, Bayswater,
DEWAR	W. Chief Engineer, R.M.S. "Em-
1908. MATHIESON, WILLIAM, R.N.R.	press of China," C. P. R., Van- couver, B.C.
1902. Matsubara, Takashi	Mitsui Mining Co., 1 Surugachio, Nihonbashi Ku, Tokyo, Japan.
1908. MATTHEWS, JAMES	143 Chestnut Rd., Kingston Rd.,
2222200, 022200, 0	Raynes Park, Wimbledon.
1908. Matthews, Thomas Leigh	Messrs. Coode, Son and Matthews, 9 Victoria St., Westminster,
1904. MATTHEWS, WILLIAM EDWARD	S.W. Bridge End Foundry, Cardigan.
1906. MAUDSLAY, JOSEPH	Divl. Loco. Supt., Egyptian State Rlys., Minieh, Upper Egypt.
1897. G. MAW, HENRY	12 Heathfield Park, Cricklewood,
1099. A.M.)	( N.W.
1901. G. MAW, ROBERT LEWIS	35-36 Bedford St., Strand, W.C.
1901 (4)	
1906. A.M. MAW, THOMAS FREDERICK	18 Addison Road, Kensington, W.
1906. MAWSON, ROBERT	16 Alton St., Providence, R.I., U.S.

	Date	of	Election.
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1905.	MAY, HORACE NUNN	128 Leyborne Park, Kew Gardens, Surrey.
1898. G.) 1902. A.M.)	Mayes, Howard	F. C. de B. A. al Pacifico, 783 Florida, Buenos Aires, Arg. Rep.
1909.	MAYNE, JAMES GEORGE	Loco. Supt., Western Rly. of Havana, Havana, Cuba.
1909.	MEAD, THOMAS FRANCIS	Messrs. Hal Williams & Bridges, 3 Salters' Hall Court, Cannon St., E.C.
1907.	Meaden, Albert Edward	F.M.S. Rlys., Central Workshops, Kuala Lumpor, Selangor, F.M.S.
1903.	Medley, Charles Powis	London Hoist & Machinery Co., 95 and 103 Worship St., E.C.
1900.	MEEK, GEORGE THOMAS	Electric Lighting Works, Town- mead Rd., Fulham, S.W. Messrs. A. E. Kitsell & Co.,
1910.	Meiklejon, John Harley	Bridge Rd., Taylor's Lane, Harles- den, N.W.
1908.	MELL, STEPHEN THEODORE	Colonial Consignment & Distributing Co., Nelson's Wharf, Lambeth, S.E.
1900. G.) 1906. A.M.	MELLAND - SMITH, HUBERT RAWSON	Chandpur T. E., Chandpur Bagan P.O., S. Sylhet, India.
1902.	MENSFORTH, HOLBERRY	Breeze Hill, Urmston Lane, Stret- ford, Manchester.
1905.	MERRALL, CHARLES EDDINGTON	26 Playfield Crescent, East Dul- wich, S.E.
1901. G.) 1905. A.M.	MERRETT, JOHN ALFRED	41 Finsbury Square, E.C.
1909.	METCALF, ALFRED TOWNLEY	(Bradford Dyers' Association, 39 Well St., Bradford.
1908.	METHUEN, JAMES ALLIN	P.O. Box 14, Umtali, Rhodesia. 35 St. Patrick's Rd., Coventry.
1907. 1902.	MEYER, THOMAS BERNARD  MEYER-JONES, LEONARD	West Felton, Audley Rd., Hendon,
1002.	MEYRICK	Maschinenfabrik Augsburg-Nürn-
1908.	MIASKOWSKI, PAUL AUGUST HERRMANN V	berg, 219 Caxton House, Tothill St., Westminster, S.W.
1906.	MICHAEL, HUBERT	Water Eng., City of Santos Imp. Co., Santos, Brazil.
1906.	MIDDLETON, BRIAN McLAREN	Messrs. Dymes & Co., Adoni, Bellary District, India.
1904.	MIDDLETON, PETER CHARLES	5 Warminster Road, South Norwood, S.E.
1905.	MILLAR, WILLIAM PETTIGREW	(c/o J. Robertson, Atlantic Chbrs., 45 Hope St., Glasgow. (Engineer's Dept., Messrs. A. Guin-
1903.	MILLER, JOHN	ness, Son & Co., St. James' Gate Brewery, Dublin.
1909.	MILLER, WILLIAM PERCY	59-60 Charlotte St., Birmingham.
1903. G.) 1905. A.M.)	MILLETT, CHARLES WALTER	Abbotsford, Seymour Rd., Hamp- ton Wick, Kingston-on-Thames.
1904. G.) 1908. A.M.)	MILLINGTON, WILLIAM ERNEST WYATT	Messrs. Holden & Brooke, Sirius Works, West Gorton, Manches- ter.
1894.	MILLS, ARTHUR EDWIN	Atlantic Bldgs., Mount Stuart Sq.,
	MILLS, Captain JAMES JESSE,	Cardiff.
1903.	( A.O.D)	3 Fort Villas, Queenstown.

_		(C) D CAR TIA TO ALL
1899.	MILLS, JOSEPH AMOS	City Deep G.M. Ltd., Box 1411, Johannesburg, Transvaal.
1897.	MILLS, SAMUEL JAMES AUGUS-	Strawberry Bank, Blackburn.
1907.	MILNER, LESLIE GEORGE	Central Technical College, South
1905.	MITCHELL, EDWARD ALBERT	Kensington, S.W. 59 & 60 Broad St. Avenue, E.C.
1907. G.)		(Messrs. Barry, Henry & Co., West
1909. A.M.)	MITCHELL, GARDINER	North St., Aberdeen. (Chief Eng., Metrop. Police (Thames
1904.	MITCHELL, GEORGE ROBERT	Div.), Thames Police Stn., Cold Harbour, Blackwall, E.
1902.	MITCHELL, JAMES	Engineer's Office, Harbour Improvement Works, Whitby.
1902.	MITCHELL, JOHN	100 Victoria St., Westminster, S.W.
1909.	MITCHELL, THOMAS, Jun	Breeze Hill, Gilnow Park, Bolton.
1902. G.)	MITCHELL, WILLIAM GEORGE	Loco. Dept., Eastern Bengal State
1910. A.M.	,	Rly., Kanchrapara, India.
1896.	MITTON, THOMAS EVANS	Crown Brass Works, Oozells St. North, Birmingham. [Mitton,
1000.	militon, Inomas Evans	North, Birmingham. [Mitton, Birmingham. 394.]
1903, G.)	3.5	Pytchley Autocar Co., Sheep St.,
1907. A.M.	Mobbs, Herbert	Northampton.
1909.	MOFFAT, DAVID	Las Heras 586, Tucuman, Argen-
1303.	HOFFAI, DAVID	tine Republic.
1005	35	Chief Eng., Belfast Ropeworks Co.,
1905.	MOFFAT, WILLIAM GLOVER	Belfast; and 2 Ebrington Gdns.,
		Upper Newtownards Rd., Belfast.
1910.	MOFFATT, FRANK ALEXANDER	Messrs. Agar, Cross and Co., 600 Entre Rios, Rosario, Arg. Rep.
1891. G.)	M	West India House, Baldwin St.,
1905. A.M.	Mogg, Henry Hodges	Bristol.
1907.	MOHN, TRYGVE	National Gas Engine Co., Ashton-
	,	under-Lyne.
1903.	MONKHOUSE, FRANK LIONEL	10 Wyndcote Rd., Allerton, Liverpool.
1902. G.)	Warran C	` •
1903. A.M.	Montague, Graham	Leigh Woods, Clifton, Bristol.
1897. G.)	MONTGOMERY, CHARLES HU-	Power Station, Lancs. and Yorks.
1902. A.M.	BERT	Rly., Formby, Liverpool.
1907.	Moony Guorge Havry	Messrs. Tupper & Co., Regent and Britannia Works, Bradley, Bils-
1501.	Moody, George Henry	ton.
1906.	MOODY-STUART, ALEXANDER	Annat, Errol.
1908.	Moores, John	Sunnyside, Kensington Rd., Chorl- ton-cum-Hardy, Manchester.
1910.	Moores, Robert Gorton	Cambridge Water Works Co., 64 Tenison Rd., Cambridge.
1904.	Moraes, Henry Francis	Rambutan Ltd., Tanjong Rambutan, Perak, F.M.S.
1909.	MORCOM, EDGAR LLEWELLYN	Messrs. Belliss & Morcom, Ledsam Street Works, Birmingham.
1903.	Morgan, Douglas Howard	The Limes, Felstead, Essex.
1903.	Morgan, Edward George	Messrs. Kennan & Sons, 19 Fish- amble St., Dublin.
1903.	Morgan, Frederick John	35 and 36 Wind St., Swansea.
1909.	Morley, Thomas Bonner	( [Advance, Swansea. 570.]  James Watt Engineering Labora-
2000.	DIOMELI, INOMAS DUNNER	tories, The University, Glasgow.

152	ASSOCIATE MEM	IBERS. 1911.
Date of Election		
1902. G.) 1908. A.M.)	MORRIS, CYRIL CLARKE BO-	Fire Brigade, Southwark, S.E.
1910.	Mosden, Frederick Charles	Messrs. Kilburn & Co., 4 Fairlie Place, Calcutta.
1909.	Mosley, Louis Dawson	Manager, Gas Works, Seaford, Sussex.
1902.	Mowbray, Archibald Holme	Managing Director, Messrs. Smith & McLean, Mavisbank, Glasgow. [Mavisbank, Glasgow. 1507.]
1902.	Mowbray, Frank Herbert	Universal Music Co., Hayes, Middle- sex.
1905. G.) 1909. A.M.)	Mowll, Harold Savignac	Messrs. Crossley Bros., 37 Westgate St., Cardiff.
1905. 1897. G.)	MOYLE, EDWARD CHARLES MUGGERIDGE, HAROLD CHIS-	Victoria Technical School, Preston. (c/o Messrs. King, Hamilton & Co.,
1902. A.M.)	MAN	Calcutta.
1908.	MUIR, FRANK	42 Deansgate, Manchester. (Govt. Marine Surveyor, Penang,
1905.	Muir, Henry	Straits Settlements.
1899.	MUIRHEAD, DAVID	Tolcarne, Hamilton Rd., Reading. (Managing Director, Builders & Con-
1909.	MULLER, ERNEST	tractors Plant Ltd., 17 Victoria St., Westminster, S.W.
1906.	MUNCASTER, HORACE	16 Millmount Rd., Meersbrook Park, Sheffield.
1902. G.)	MUNYARD, ALFRED WALFORD	Shinehill, Littleton, Evesham.
1904. A.M. 5 1900. G. 1 1904. A.M. 5	MURDOCH, ALEXANDER GEM-	Messrs. T. & J. Hosking, Dock Head Iron Works, Bermondsey, S.E.
1902.	MURPHY, WILLIAM	Messrs. F. Reddaway & Co., Pendleton, Manchester.
1907.	MURRAY, ALBERT	51 Auckland Rd., Doncaster.
1905.	MURRAY, GEORGE WILLIAM	Messrs. G. Gahagan & Co., 271 Bellasis Rd., Byculla, Bombay.
1901.	MURRAY, PETER BUTCHART	Managing Director, Messrs. Fraser and Fraser, Bromley-by-Bow, E.
1907.	Myers, James Ruglen	Urban District Council Electricity Works, Ley St., Ilford.
1906.	Nandi, Kali Charan	Supt. of Works, P.W.D., Cooch Behar, India.
1904.	Napier, Frederick Disney	N. Metrop. Electric Power Supply Co., Taylor's Lane, Willesden, N.W.
1907.	Nasmith, John	Wolseley Tool & Motor Car Co., Adderley Park, Birmingham.
1907.	NAYLOR, JAMES WILLIAM	2A Malvern Road, Handsworth, Birmingham. Messrs. Rosser & Russell, 22 Charing
1901.	Naylor, John Alfred	Cross, S.W. [Lesorus, London. Gerrard 5210.]
1910.	NEAGLE, WILLIAM	Erith Technical Institute, Erith, S.O., Kent.
1902.	NEAL, HENRY ANDREWS	St. Pancras Ironwork Co., Belle Isle, York Rd., N.
1905. G.)	NEEDHAM, CYRIL ARMITAGE	Water Engineer's Office, 52 Balls
1909. A.M.	, , , , , , , , , , , , , , , , , , , ,	Road, Birkenhead.

1902.	NELSON, ROBERT	18 Brook Green, W.
1903. G.) 1904. A.M.	NESBITT, EDWARD ARTHUR	Paulatim, Bearsden, Glasgow.
1908.	NETTLE, HENRY	Tremayne House, Basset Terrace, Camborne.
1899.	NETTLEFOLD, GODFREY	[16 Broad St., Birmingham. [Nettle- folds, Birmingham. 2086.]
1901. G.) 1909. A.M.	NEVILL, STANLEY SHARP	79A Parkhurst Rd., Holloway, N.
1903. G.) 1909. A.M.)	Newill, George Ernest	Guadalupe Consolidated Gold Mining Co., Indé, Durango, Mexico.  Chief For Magaza Franco &
1905.	NEWMAN, ARTHUR DUDLEY	Chief Eng., Messrs. Fraser & Chalmers, P.O. Box 281, Johannesburg, Transvaal.
1901. G.) 1905. A.M.)	NEWMAN, KENNETH CHARLES HORTON	Broadbank Chambers, 16 Oxford St., Harrogate. (Manager, Messrs. John Whitehead
1905.	NEWMAN, WILLIAM BOUGHTON	& Co., Albert Works, Syke St., Preston.
1902.	NEWMAN, WILLIAM HENRY	Totteridge Park, Herts.
1908.	Newton, Edgar Venables	Messrs. Ruston, Proctor & Co., 46 Queen Victoria St., E.C.
1901. G.) 1904. A.M.	NEWTON, PERCY	6 Goldsmith's Gardens, Acton, W.
1904.	NEWTON, RUPERT	Grays Rd., Bishopton Lane, Stockton-on-Tees.
1906.	NICHOLL, FREDERICK MICHELL	Oorgaum, Kolar Gold Fields, South India.
1905.	NICHOLS, ALBERT EDWARD	Boro' Eng. and Surveyor, Folkestone.
1905.	NICHOLS, FREDERICK ALBERT	Ammunition Factory, Dum Dum, Calcutta.
1901.	NICHOLS, HENRY FRANCIS	Manager, Messrs. James Hill & Sons, 16 & 18 Currie St., Adelaide, S. Australia.
1907.	NICHOLSON, ALEXANDER	Messrs. Alldays & Onions Pneumatic Engineering Co., Birmingham.
1902. G.) 1905. A.M.	NICHOLSON, EDWARD	39 Mayfield Rd., Alexandra Park, Manchester.
1897. G.)	NIXON, CHARLES BASIL	Lancashire Steam Motor Co., Ley-
1902. A.M. 5	NIXON, FREDERICK HENRY	l land, Preston. 1 Victoria St., Westminster, S.W.
1908.	Noble, George	Messrs. T. E. Thomson & Co.,
1905.	NOOT, WILLIAM WILLIAMS	9 Esplanade East, Calcutta. 19 Trafalgar Pl., Brynmill, Swansea.
1909.	NORMAN, EDWARD JAMES HUTCHINS	Messrs. Duke & Ockenden, 126 Southwark St., S.E.
1907.	NORMAN, GEOFFREY HAMILTON	Messrs. Callenders Co., Belvedere,
1903.	NORMAN, GEORGE FREDERICK ALEXANDER	S.O., Kent. Messrs. Hubert Davies & Co., P.O. Box 352, Durban, Natal.
1904. G.) 1910. A.M.)	NORTHCOTT, HENRY HANS)	6 Earl's Court Square, W.
1897.	NORTON, ARTHUR	134 Fountain Rd., Edgbaston,
1899.	NORTON, SAMUEL JOSEPH	Birmingham. 22 Bushnell Rd., Balham, S.W.
1905.	Nowell, Victor Ferdinand	12 Waverley Mansions, 72 Corporation St., Calcutta.

Date	of	El	ection.

1910. 1899. G.) 1906. A.M.)	NUGENT, CHARLES EVELYN NUTTER, HAROLD NORMAN	Bracknell Garage, High St., Brack-   nell.   Messrs. W. Aykroyd & Sons, Oak-   wood Dye Works, Bradford.
1906. 1907.	Oakden, Roger Brooke Oakes, Frederick Bismarce	{Irrigation Dept., Oudtshoorn, Cape Colony. The Cottage, Leiston, R.S.O., Suffolk.

1900.	OARDEN, MOGER DROOKE	Colony.
1907.	Oakes, Frederick Bismarck	The Cottage, Leiston, R.S.O., Suffolk.
1900.	OCKENDEN, MAURICE ALBION, Jun.	Dashwood House, 9 New Broad St., E.C.
1902.	O'CONNELL, JOHN GEORGE	Connaught Club, Marble Arch, W.
1909.	OGDEN, SAMUEL	Westwood, Polygon Rd., Higher Crumpsall, Manchester.
1909.	OLVER, WILLIAM HENRY	36 Cotham Vale, Bristol.
1905.	O'NEIL, RODOLPH STUART	4 Landguard Rd., Southampton.
1902.	ORR, THOMAS REGINALD JAMES	Wallaroo Phosphate Co., Wallaroo, S. Australia.
1901.	Osborn, John Lee	1 Queen Anne Bldgs., 38 Baldwin St., Bristol.
1907.	OSWALD, JAMES	Sleaford Foundry, Nine Elms Lane, S.W.
1901.	OUGHTERSON, GEORGE HENRY	Ordnance Dept., Messrs. Vickers, Sons & Maxim, Naval Construc- tion Works, Barrow-in-Furness.
1904. G.) 1907. A.M.)	OWEN, HALSALL	Messrs. Monks, Hall & Co., War- rington.
1911.	Owen, Llewelyn Edward	Rose Villa, The Avenue, Acocks Green, Birmingham.
1902.	Owston, William Henry	Messrs. John Russell & Co., Alma Tube Works, Walsall.
1906. G.) 1910. A.M.)	Oxbrow, Charles Edward	116 Park Road, Chorley.
1907.	OXFORD, RAYMOND	Messrs. Huddart, Parker & Co., 261 George St., Sydney, N.S.W.

1901.	PAGE, HUGH ALGERNON	Newlyn, Lynmouth Rd., Fortis Green, E. Finchley, N.
1908.	Page, John Henry	Resident Mech. Eng., Metropolitan Rlv., Power Stn., Neasden, N.W.
1901.	PALMER, ALFRED	Union Engineering Works, Union Lane, Sheffield.
1907.	PALMER, CHARLES	Messrs. Liddell Brothers & Co., Hankow, China.
1895. G.) 1900. A.M.	PALMER, HENRY BOSWELL, Jun	4 Victoria Crescent, St. Ann's Rd., Stamford Hill, N.
1909.	Pank, Abraham	Messrs. A. Pank & Sons, Castle Hill Works, Norwich.
1909.	Panton, Joseph Alexander	Liverpool Overhead Rly., 31 James St., Liverpool.
1902.		Corpn. Electricity Works, Stirling.
1904.	PARIS, HENRY ADOLF	Mech. Engineer's Dept., L.C.C., Spring Gardens, S.W.

Daso of Election		
1910.	PARIS, PATRICK ALFRED	Taj Mahal Hotel, Bombay, India.
1906.	PARKER, EDWIN THORLEY	59 Bescot, Walsall.
1899. G.)	PARKER, FREDERICK THOMAS	Messrs. Fraser & Chalmers, 3 Lon-
1902. A.M.		don Wall Bldgs., E.C. (South Staffordshire Mond Gas Co.,
1909.	PARKER, JOHN	Dudley Port, Tipton. (Gun Mounting Dept., Messrs.
1908.	PARKER, ROBERT	Vickers, Sons and Maxim, Barrow-in-Furness.
1906.	PARKES, HOWARD RODERICK	Messrs. Taylor Brothers & Co., Dacre, House, Victoria Street, S.W.
1904.	PARKIN, THOMAS	Mill Dept., Messrs. Fraser & Chal- mers, Erith, S.O., Kent.
1910.	Parkinson, Bernard Robert	Messrs. Corbet Woodall & Son, Palace Chbrs., 9 Bridge St., Westminster, S.W.
1900.	PARKINSON, ERNEST	Canal Iron Works, Shipley, Yorks. [Temples, Shipley. 4080.]
1901.	PARR, GEORGE DUDLEY ASPIN-	The University, Leeds.
1910.	PARR, TOM DIXON	Snercold Engineering Works, Hampton Wick, Kingston-on- Thames.
1902. G.) 1909. A.M.	PARRATT, HERBERT EDWIN	Frome, Savannah-la-mar, Jamaica.
1905.	PARROTT, ARTHUR GEORGE	Vaughan Pulley Co., West Gorton, Manchester.
1909.	PARRY, CHARLES WOODALL	Sturtevant Engineering Co., 147 Queen Victoria St., E.C.
1909.	PARRY, HUBERT MUSGRAVE	Messrs. Williamson, Balfour & Co., Concepcion, Chile.
	Parsonage, William Raw- LETT, B.Sc	Munic. Technical School, Suffolk St., Birmingham.
1898.	Parsons, Harry	Parsons Motor Co., Town Quay, Southampton. [Motors, South- ampton. 342.]
1906.	PARSONS, HORACE WILLIAM	Patent Shaft and Axletree Co., Wednesbury.
1904.	Parsons, Thomas George	Manager, Rossleigh Ltd., 132 Nethergate, Dundee.
1901.	PATCHETT, JOSEPH HENRY	5 Woodland View, Greengates, Bradford.
1910.	PATEL, HORMUSJI RUTTONJI	Superintending Eng., Agra Water Works, Agra, India.
1896.	PATEL, MOTIBHAI BHIKHABHAI	Bhadran, near Borsad, India.
1896.	PATEL, RAOJIBHAI MOTIBHAI	Exec. Eng., P.W.D., Kadi Div., Mehsana, R.M. Rly., India.
1902.	PATERSON, WILLIAM	Natural Soda Works, Bir-Hooker, Wady Natron, Egypt.
1907.	PATON, GEORGE	Chief Eng., Tientsin Gas & Electric Light Co., Tientsin, China.
1905. G.) 1909. A.M.	PAYNE, CHARLES AUGUSTUS WILLIAM	Asiatic Petroleum Co., c/o Messrs. Best & Co., Madras, India.
1898. G.1 1902. A.M.	PAYNE, FRANK GERVAS	Munic. Electricity Works, Shang-
1902. A.M.) 1905.	PAYNE, RAYMOND	hai, China. 62 London Wall, E.C.
1909.	. 3	(Egyptian State Railways, Boulac,
2000.		Cairo, Egypt.

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1901. G.) 1910. A.M.)	PEACOCK, JESSE BUTLER	District Eng., Delta Light Rlys., Zagazig, Lower Egypt.
1908.	PEACOCK, JOSEPH FRANK	Sirona, St. Alban's Road, Redland, Bristol.
1907. G.) 1909. A.M.)	PEACOCK, PHILIP GEORGE	Messrs. Abram Lyle & Sons, Plaistow Wharf, Victoria Docks, E.
1904. G.) 1907. A.M.	PEAM, FERDINAND	Noiseless Typewriter Co., Middle- town, Conn., U.S.
1908.	PEARSALL, RALPH HOWARD	Messrs. Mather & Platt, Queen Anne's Chbrs., Westminster, S.W.
1908.	Pearson, George Armstrong	Municipal Technical Institute, Hull.
1903.	Pearson, Harry	Hazelford, Turncroft Lane, Stock- port.
1908. 1908. 1901. 1906.	PEARSON, JOHN BARRINGTON PECK, HERBERT HORACE PECKETT, ARTHUR PEET, HENRY CHARLES	58 Eldon St., Newcastle-on-Tyne. Surrey Lodge, Henley-on-Thames. 46 King William St., E.C. 112 St. Saviour's Road, Leicester.
1910.	Durney Armon	(Borough Water Works Office, Rich-
2010.	retree, alfred	mond, Surrey. [General Supt., Public Works
1906.	PEIRCE, HARRY BOYD	Workshops, Mint Buildings, Madras.
1908.	PEMBERTON, ALFRED	Messrs. Fraser and Chalmers, Erith, S.O., Kent.
1901.	Percy, Frank	Mining College, Wigan.
1904. G.) 1910. A.M.	PERCY, HARRY LEONARD	Colombo Electric Tramways and Lighting Co., Colombo, Ceylon.
1899. G.) 1901. A.M.)	PEREGRINE, WILLIAM HENRY	Rochdale Technical School, Rochdale; and Manchester Rd., Bury, Lancs.
1904.	Perkins, Albert William	Covendale, Holdenhurst Avenue, North Finchley, N.
1901.	PERKINS, WILLIAM JOHN	26 Victoria St., Westminster, S.W.
1909.	PERRIN, ALFRED THOMAS	85 Brewster Avenue, St. Henri, Montreal, Canada.
1907.	Perry, George	Fletchers Chbrs., Fore St., Birmingham.
1902.	PERRY, HERBERT DUNCAN SMITH	10 Warwick Gardens, Kensington, W.
1893.	PERTWEE, HERBERT ARTHUR	Nelson Iron Works, Great Yarmouth. [Pertwee, Great Yarmouth. 0178.]
1902. G.) 1910. A.M.	PETRIE, PERCIVAL	Morgan Crucible Co., Battersea Works, S.W.
1894. G.) 1899. A.M.	PETTER, PERCIVAL WADDAMS	Works Manager, Nautilus Works, Yeovil. [Petter, Yeovil.] Gas Light and Coke Co., Friar
1910.	PETTIGREW, JAMES CROAL .	Gas Light and Coke Co., Friar Gate, Derby.
1902.	PETTIT, ARTHUR EDWARD	8 Old Jewry, E.C.
1906.	PETTIT, CHARLES WILLIAM	Water Works, Accra, Gold Coast. (Amroth, Kiln Lane, St. Helens,
1906.	PETTIT, WALTER RICHARD	Lancs.
1906.	PEYRECAVE, GASTON RENE DE	28 Budge Row, Cannon St., E.C. (Hamilton Rooms, 569 Hamilton
1908.	PEYTON, WILLIAM CHRISTIAN	St., Vancouver, B.C.
1902.	PHELPS, GEORGE INGRAM DE BRISSAC	23 Augustus Road, Edgbaston, Birmingham.
1908.	PHILIPS-SMITH, BERTRAM	Graphite Products Ltd., 218–220 Queen's Rd., Battersea, S.W.

Date	of	E	ecti	on.

1897.	PHILLIPS, EDWIN GRANT	Conde de Aranda 1, bajo, Madrid, Spain.
1905.	PHILLIPS, Captain FRANK HUGH, A.O.D	Gibraltar.
1904.	PHILLIPS, WALTER HENRY	Messrs. Truman, Hanbury, Buxton & Co., Black Eagle Brewery,
1899.	PHILLOTT, GEORGE HENRY	Burton-on-Trent. 13 Promenade, Cheltenham.
1899. G.)	,	(Engineering Laboratory, University
1902. A.M.) 1903.	Pickering, William Sellers	College, Gower St., W.C. Messrs. Willey & Co., Exeter.
1909.	PICKFORD, FRED	The University, Manchester.
1910.	PICKUP, JAMES ARLINGTON (PICKVANCE, WILLIAM GRIEG-	17 Taylor St., Stalybridge. (Borough Elect Eng Electricity
1909.	SON	Borough Elect. Eng., Electricity Works, Willow Road, Wrexham.
1908.	Pidgen, Albert	The Fairbanks Co., 78 City Rd., E.C.
1899.	PIGOTT, ARTHUR	14 Bank Chbrs., Fargate, Sheffield.
1902. G.) 1906. A.M.		Tixall Cottage, Tixall, Stafford.
1907.	PINFIELD, WILLIAM VICKERY	1 St. Albans Rd., Moseley, Birming- ham.
1908.	PING, HAROLD JOHN	16 Queen's Road, South Norwood, S.E.
1901.	PINKNEY, THOMAS SAMUEL	Church Field Lane, Radford, Not- tingham.
1908.	PINSENT, SIDNEY HUME	Messrs. Pinsent Mathews & Co., Necochea 655, Buenos Aires, Arg. Rep.
1906.	PITCAIRN, FRANCIS BERNARD	Eng., Water Works, Shanghai, China.
1909.	PITKEATHLY, JAMES SCOTT	Electrical Inspector, Govt. of the United Provs., Allahabad, India.
1910.	PITMAN, PERCY HECTOR	3 Willcott Rd., Acton, W.
1906.	PITT, JAMES DAVIES	Wolseley Tool & Motor Car Co., Adderley Park, Birmingham.
1907.	PITT, PHILIP SEPTIMUS	132 Dora Road, Wimbledon Park, S.W.
1902.	PITTAR, ALBERT VYVYAN	P.O. Box 5627, Johannesburg, Transvaal.
1900. G.) 1903. A.M.	PLAISTER, WILLIAM EDWARD	Motor Works, Station Rd., Wood Green, N.
1900.	PLANT, DAVID THOMAS	Messrs. Easton Gibb & Son, H.M. Dockyard, Rosyth, Inverkeithing,
1900. G.)		Fifeshire. (Engineering Standards Committee,
1900. G.) 1906. A.M.	PLANTE, STANLEY GEDGE	28 Victoria St., Westminster, S.W.
1908.	PLATT, Capt. RALPH ERNEST,	Junior United Service Club, Charles St., St. James's, S.W.
1897.	PLAYER, RALPH	Messrs. J. Wright & Co., 124 Victoria Street, Westminster, S.W.
1908.	Pochin, Edward Arnold	Trafford Park, Manchester.
1903.	POCOCK, JAMES HERBERT	Messrs. Willans & Robinson, Victoria Works, Rugby.
1904.	Podesta, John James	Patent Axlebox and Foundry Co., Wednesfield Foundry, Wolver- hampton.

1903. G.) 1907. A.M.)	Poignand, Francis Nesbitt	
1905.	Polden, Francis Charles	Messrs. Lund Bros. & Co., 78 and 80 Queen Victoria St., E.C.
1906.	Pole - Wedlake, Reginald William	[1219 Central.] Sir W. G. Armstrong, Whitworth & Co., Openshaw, Manchester.
1907.	POLGLASE, ARTHUR HEDLEY	134 Bradford Road, Shipley.
1896.	POLLARD, FERDINAND JOSEPH	P. O. Box 2485, Johannesburg,
1904.	PONTIFEX, BEAUMONT	Transvaal. Willow Cottage, Mullion, Cornwall.
1909. G.)	Poole, Lesley Gower	c/o T. Curtis, 4 Bedford Row, W.C.
1910. A.M. § 1902.	Poole, Richard	42 Cherington Rd., Hanwell, W.
1905.	Pope, Ashley Philip	Messrs. Johnson & Phillips, Victoria Works, Old Charlton, Kent.
1910.	PORRITT, PERCY BLADES	Vulcan Iron Works, 172 Lower Circular Rd., Calcutta.
1903.	PORTER, EUSTACE WILLIAM	Engineer's Office, L. & S.W. Rly., New Dock Works, Southampton.
1905.	PORTER, RALPH CLASSON	University Power Station, Edg-
1897.	PORTER, STANLEY WILLIAM	baston, Birmingham. 32 Queen Victoria St., E.C.
1905.	Dommo Harry C.	Messrs. A. Secretan & Co., P.O. Box
1300.	FOTTER, HENRY SAMUEL	3921, Johannesburg, Transvaal. (Borough Polytechnic Institute,
1910.	Poulson, Harry	Borough Rd., S.E.
1909.	Poulton, William	Works Manager, Messrs. J. Beardshaw & Son, Baltic Steel Works, Sheffield.
1910.	POWELL, ALBERT	Superintending Eng., Textile Mills Co., Bombay.
1907.	POWELL, ARTHUR CRANNAGE	33 Century Rd., Retford.
1895.	POWELL, BENJAMIN NEWTON	Manager, Lidgerwood Manufactur- ing Co., Soerabaya, Java.
1903.	POWELL, CHARLES SKRYNE	165 Broadway, New York, U.S.
		(c/o Sir Alexander B. W. Kennedy,
1900.	POWELL, DAVID THOMAS	{ 17 Victoria St., Westminster,
1900. 1899.	POWELL, DAVID THOMAS  POWELL, ERNEST BRECON	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Wey- mouth.
	,	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Wey-
1899.	POWELL, ERNEST BRECON  POWELL, FRANK EDWARD  (POWELL, HERBERT JAMES)	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Wey- mouth. Auckland Harbour Board, Auck-
1899. 1907.	Powell, Ernest Brecon  Powell, Frank Edward  (Powell, Herbert James)  (Bingham)	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z.
1899. 1907. 1907. 1906.	Powell, Ernest Brecon  Powell, Frank Edward  (Powell, Herbert James)  Bingham  Powell, Llewellyn Henry	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. (Alexandra (Newport and S. Wales)
1899. 1907. 1907.	Powell, Ernest Brecon  Powell, Frank Edward  (Powell, Herbert James)  (Bingham)	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. Alexandra (Newport and S. Wales) Docks and Rly., Newport, Mon.
1899. 1907. 1907. 1906.	Powell, Ernest Brecon  Powell, Frank Edward  (Powell, Herbert James)  Bingham  Powell, Llewellyn Henry	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. (Alexandra (Newport and S. Wales)
1899. 1907. 1907. 1906. 1907.	POWELL, ERNEST BRECON  POWELL, FRANK EDWARD  (POWELL, HERBERT JAMES)  BINGHAM  POWELL, LLEWELLYN HENRY  POWELL, WILLIAM HENRY	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. Alexandra (Newport and S. Wales) Docks and Rly., Newport, Mon. Boro' of Hampstead Electricity Dept., Lithos Rd., Finchley Rd., N.W. Messrs. Furnival & Co., 92 St. Bride St., E.C.
1899. 1907. 1907. 1906. 1907.	POWELL, ERNEST BRECON  POWELL, FRANK EDWARD  (POWELL, HERBERT JAMES)  BINGHAM  POWELL, LLEWELLYN HENRY  POWELL, WILLIAM HENRY  POWNALL, JOHN EDMUND	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. Alexandra (Newport and S. Wales) Docks and Rly., Newport, Mon. Boro' of Hampstead Electricity Dept., Lithos Rd., Finchley Rd., N.W. Messrs. Furnival & Co., 32 St. Bride St., E.C. Mamianshoek, Zwagershoek P.O.,
1899. 1907. 1907. 1906. 1907. 1903. 1899. 1898. 1902. G.)	POWELL, ERNEST BRECON  POWELL, FRANK EDWARD  (POWELL, HEBBERT JAMES)  BINGHAM  POWELL, LLEWELLYN HENRY  POWELL, WILLIAM HENRY  POWNALL, JOHN EDMUND  POWRIE, WILLIAM LYALL  PRANCE, CYBIL ROOKE  PRATCHITT, WILLIAM MONK-	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. Alexandra (Newport and S. Wales) Docks and Rly., Newport, Mon. Boro' of Hampstead Electricity Dept., Lithos Rd., Finchley Rd., N.W. Messrs. Furnival & Co., 32 St. Bride St., E.C. Mamiaanshoek, Zwagershoek P.O., Nylstroom, Transvaal. Manager, Messrs. Pratchitt Bros.,
1899. 1907. 1907. 1906. 1907. 1903. 1899.	POWELL, ERNEST BRECON  POWELL, FRANK EDWARD  (POWELL, HEBBERT JAMES)  BINGHAM  POWELL, LLEWELLYN HENRY  POWELL, WILLIAM HENRY  POWNALL, JOHN EDMUND  POWRIE, WILLIAM LYALL  PRANCE, CYRIL ROOKE	17 Victoria St., Westminster, S.W. Messrs. Whitehead & Co., Portland Harbour Torpedo Works, Weymouth. Auckland Harbour Board, Auckland, N.Z. Calle Quilca 316, Lima, Peru. 1 Elmfield Park, Bromley, Kent. Alexandra (Newport and S. Wales) Docks and Rly., Newport, Mon. Boro' of Hampstead Electricity Dept., Lithos Rd., Finchley Rd., N.W. Messrs. Furnival & Co., 32 St. Bride St., E.C. Mamiaanshoek, Zwagershoek P.O., Nylstroom, Transvaal.

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1910.	PRATT, JAMES	Messrs. Alex. Turnbull & Co.,
1898. G.)		Bishopbriggs, Glasgow.  Grown Tee, Cricklewood Lane.
1905. A.M.	PREEN, ARTHUR HARVEY	4 Crown Tce., Cricklewood Lane, Cricklewood, N.W.
1901.	Prestwich, John Alfred	1 Lansdowne Road, Tottenham,
1901. G.)	PREVÔST, ALFRED THOMAS	Messrs. A. & J. Main, P.O. Box 5400,
1907. A.M.	THE VOST, ALIFEED THOMAS	Johannesburg, Transvaal. (George Price's Safe Co., Church
1902.	PRICE, ALBERT EDWARD	Lane, Wolverhampton. [Safes, Wolverhampton. 225.]
1909.	PRICE, REGINALD SHERLEY	Eldon St. House, Eldon St., E.C.
1900.	PRICE, ROWLAND	Cordite Factory, Aruvankadu, Nilgiris, India.
1893. G.)	PRICE, WILLIAM FREDERICK	Callender's Cable and Construction Co., Hamilton House, Victoria
1899. A.M.	I MICH, TIMILAM LINEDERSON	Embankment, E.C.
1904.	PRIDEAUX, FRANCIS GREVILE	Engineer's Office, G. S. & W. Rly., Inchicore, Dublin.
1899. G.) 1901. A.M.	PRITCHARD, ROGER CROMWELL	55 Highbury New Park, N.
1902.	PRITCHARD, WILLIAM ELIAS	13 Victoria Park, Bangor.
1907.	PROBERT, ERNEST	230-1 Bradbury Bldgs., Los Angeles, Cal., U.S.
		(Messrs. Franklin, Herrera & Co.,
1903.	PROCTER, CHARLES GILBERT	430 Bartolomé Mitre, Buenos Aires, Arg. Rep.
1904. G.) 1910. A.M.	PROSSER, NATHANIEL LITTLER	3 Cromwell Rd., Rugby.
1899. G.		108 South Hill Park, Hampstead,
1903. A.M.	OSTELL	N.W. (Boro' Electrical Eng., Strand, Swan-
1903.	Louis	sea.
1901.	PRYOR, HENRY ALLEN	70 and 72 Chancery Lane, W.C. [Patent, London. Holborn 243.]
1910.	PUDNER, Eng. Lieut. WILLIAM	H.M.S. "Attentive," c/o Post- master General, E.C.
1904. G.\	PUDSEY, FAWCETT	Dock Engineer's Dept., North
1911. A.M.		Eastern Rly., Hull. Bog Mines Ltd., Minsterley,
1907.	Pulleine, John James	Shrewsbury.
1907.	Pullin, Joseph Alexander	201 High Street, Smethwick, Birmingham.
1905.	Pulsford, Frederick Charles	269 Humberstone Rd., Leicester.
1908.	PURNELL, WALTER HENRY	Messrs. Herbert Morris and Bas- tert, Empress Works, Lough- borough.
1901. G.)	PURSE, FREDERICK WALTER	Electricity Works, Watford.
1904. A.M. 5 1904. G.	Pencey Huppens Co.	(Calcutta Tramways Co., Calcutta,
1907. A.M.)	PURSEY, HERBERT STANLEY	India.
1900. 1901.	PURVES, WILLIAM THOMPSON PYE, JOSEPH HARGER	13 Albany St., Edinburgh. [1259.] Manager, Gas Works, Clevedon.
		(Eng. and Manager, City of Chi-
1906.	PYE, THOMAS EBENEZER	chester Gas Co., Stockbridge Rd.,
		Chichester. (Burma Eng. and Trading Co.,
1908.	PYNE, FREDERICK DENNIS	75 Merchant Street, Rangoon, Burma.

Date	of E	lection.
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1905.	QUELCH, ARTHUR TEMPLE	Manganese Bronze & Brass Co., St. David's Wharf, Millwall, E.
1905.	Quick, Albert Hedley	(Engineer's Dept., L.C.C., Spring
1904.	QUINE, FREDERIC CARLYLE	Gardens, S.W. 12 Aldgate, Central House, E.C.
		,
1906.	RADCLIFFE, JOHN JAMES	Messrs. Thomas Robinson & Son, Railway Works, Rochdale.
1910.	RAFFETY, SIDNEY ROBERT	Royal Oak Pumping Station, Bickerstaffe, Ormskirk.
1903.	Rainer, Edward Allan	Messrs. Arnhold, Karberg & Co., 14 Fenchurch St., E.C.
1897. G.)		Messrs. D. Napier & Sons, Acton
1901. A.M. § 1902.	RANKIN, ERNEST ALFRED	Vale Works, Acton, W. Somerville, Bourton, Dorset.
1909.	RANKIN, EUGENE	§4 Norbiton Avenue, Norbiton,
	(RAPPOPORT, FREDERICK	\ Surrey. \( \text{Anglo-Maikop Corporation, Maikop,} \)
1906.	GERALD	Kuban Province, Russia.
1909.	Rapson, Benjamin	S. M. Car Syndicate, 9a Hythe Rd., Willesden, N.W.
1900. G.)	RASEY, ALFRED ERNEST	Messrs. Mellowes & Co., 28 Victoria
1901. A.M. § 1907.	RAWORTH, ALFRED	St., Westminster, S.W.
1907.	RAWSON, CHARLES HENBURY	22 Cooper Street, Manchester. (1374 King Street, Hammersmith,
	TIAWSON, CHARLES HENBURY	( W.
1906. G.) 1910. A.M.)	RAYNER, HERBERT	Dirección de Desagües, Dolores, F.C.S., Buenos Aires, Arg. Rep.
1908.	RAYNER, JOHN MERRICK	Lindum, Thorpe Hall Avenue, Thorpe Bay, Essex.
1902.	READ, CHARLES MACARTNEY	Managing Eng., Cape Peninsula Lighting Co., Central Power Station, Claremont, Cape Colony.
1895. G.) 1899. A.M.	READ, GEORGE HENRY	39 Lambton Rd., Wimbledon.
1904.	REAY, EDWARD	High Level Quarry, Corbridge-on-
1899.	REDDING, WALTER	Ingfield, Jackson Avenue, Gled- how, Leeds.
1892. G.) 1897. A.M.)	REDFERN, CHARLES GEORGE	4 South Street, Finsbury, E.C. [Invention, London. Central
1908.	REDFERN, CHARLES JULIAN	4492.] (c/o Mrs. Dallinger, Regent St., Manningtree.
1903.	REDMAN, SYDNEY GEORGE	Collingwood Bldgs., Newcastle-on- Tyne.
1910.	REES, JOHN HARRY BENBOW	Messrs. Olive Bros., Woolfold Paper Mills, Bury, Lanes.
1906.	Reeve, James	Messrs. Vickers, Sons & Maxim, 34 Victoria St., Westminster, S.W.
1904.	Reeve, Robert John Robey	(c/o G. H. Hall, County Carriage Works, Newcastle-on-Tyne.
1906.	Reid, Frederic	Loco. Supt., Eastern System, Govt. Rlys., East London, Cape
1000	Tellib, PREDERIC	Rlys., East London, Cape Colony.
1905.	Reid, John Alexander	Chief Eng., Cannon Brewery Co., St. John St., Clerkenwell, E.C.

1911.	ADDUCIALE II	L.C.
Date of Election.		
1902.	Reid, John Wilson	
1904.	REMINGTON, ALFRED ARNOLD	,
1898. G.) 1902. A.M.)	Rennie, John Assheton	
1903.	REW, REGINALD JOHN	
1903.	REXWORTHY, HAROLD SIBRE	E
1901.	REYNOLDS, ALFRED MILWAR	D
1909.	REYNOLDS, BERTIE	••
1906.	RHODES, EDGAR	
1908.	RHODES, SAMUEL COLEY	
1910.	RICHARDS, GEORGE TILGHMA	N
1906.	RICHARDSON, DAVID	••
1909.	RICHARDSON, THOMASKNOWLD	ES
1898.	RICHEY, WILLIAM FREDERIC	cK 
1910.	RICHMOND, HAROLD	
1904.	RICHMOND, WILLIAM PEARSO	ON
1904. G.) 1908. A.M.)	RICKIE, JAMES HEPBURN	
1907.	RIDGWAY, GEORGE	
1892. G.) 1900. A.M.) 1896.	RIDLEY, JAMES CARTMELL, Ju	
	RIETER, E. HENRY	••
1904.	RIGBY, THOMAS	• •
1908.	RIGGS, ARTHUR LEVI	• •
1909. 1909.	RILEY, FRANK RIOCH, ROBERT JOHN	• •
1904.	RIPLEY, HERBERT	••
1902.	RITCHIE, ANDREW MACKIE	
1901. G.) 1904. A.M.	RITCHIE, JOHN MCAUSLAN	••
1905.	RITCHIE, MARRIOTT CLAUDE	
1901.	RITCHIE, THOMAS EDWARD	
1901.	RIVIERE, PHILIP LYLE	
1903.	Rix, Gayford	

(Messrs. Aspinwall & Co., Cochin, Malabar Coast, India. Wolseley Tool and Motor Car Co., Adderley Park, Birmingham.

Messrs. G. Rennie & Co., Greenwich Iron Shipbuilding Yard,
Thames St., Greenwich, S.E. 66 Mount Pleasant Rd., Exeter. (East Ferry Rd. Engineering Works, Millwall, E. Messrs. John Reynolds & Sons, Newtown Row, Birmingham. Taff Vale Rly. Works, Bute St., Cardiff. Manager, Romapac Tramway Construction Co., 24 Meadow Lane, Leeds. Gordon College, Khartoum, Soudan, Egypt. Mansfield Chambers, 17 St. Ann's Square, Manchester. Northern Polytechnic, Holloway Rd., N. Electricity Works of St. Marylebone Council, Edgware Rd., N.W. Messrs. Chance Brothers & Co., Lighthouse Works, near Birmingham. 24 Alum Chine Rd., Bournemouth West. Green Bank, Colne. (c/o The Agent, Burma Railways Co., Rangoon, Burma. Asst. Loco. Eng., Dublin & S.E. Rly., Upper Grand Canal St., Dublin. Swalwell Steel Works, Newcastleon-Tyne. Via Magenta 17, Turin, Italy. Messrs. Crossley Brothers, Open-shaw, Manchester. United Legal Indemnity Insurance Society, 222-225 Strand, W.C. Elton Iron Works, Bury, Lancs. 315 Wells Rd., Knowle, Bristol. Airedale Pattern Works, Meadow Lane, Leeds; and 53 Mexborough St., Leeds. P.O. Box 38, Krugersdorp, Transvaal. Bingham, Parramatta, New South Wales. Bow Lane (City) Machinery Co., 107 Clifton St., Finsbury, E.C. 20 Kingston Lane, Teddington. Messrs. Kennedy & Jenkin, 17 Victoria St., Westminster, S.W. Siemens Bros. Dynamo Works Ltd., Caxton House, Tothill St., Westminster, S.W.

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1907.	ROBARTS, GEORGE FREDERICK WILLIAM	16 Hughenden Rd., Clifton, Bristol.
1905. G.) 1906. A.M.)		Oficina Curico, Pampa Central, Antofagasta, Chile.
1903.	ROBB, WILLIAM	L.C.C. School of Marine Engineer-
1903.	ROBERTS, CHARLES DRURY	ing, High St., Poplar, E. 99 Gloucester St., Toronto, Canada.
1905.	ROBERTS, HENRY JAMES	Assist. Loco. Supt., Port Talbot Rly. & Docks Co., Port Talbot.
1907.	ROBERTS, JAMES	Queen Victoria St., E.C.
1908.	Roberts, John	[76 Laburnum Rd., Reddish Lane, Gorton, Manchester.
		Manager, Melbourne Tramway and
1903.	Roberts, Joseph	Omnibus Co.'s Car Factory, 27 Scotchmer St., N. Fitzroy, Mel- bourne, Victoria.
		(Sandycroft Foundry Co., Chester;
1899.	ROBERTS, PERCY ROPER	and 7 Ashby Pl., Flookersbrook, Chester.
1903.	Roberts, Trevor	Divl. Supt's. Office, G.W. Rly., High St. Station, Swansea.
1904.	Roberts, William Poulter	Divi Pumping Project, Avinigudda P.O., Kistna District, India.
1903.	Robertson, George Findlay	Bessbrook Spinning Co., Bessbrook, Co. Armagh.
1908.	Robertson, Herbert	Messrs. E. H. Hunter & Co., 1 St. Mary Axe, E.C.
1907.	ROBERTSON, HUGH, Jun	c/o Port Officer, Port Office, Rangoon, Burma.
1906.	ROBERTSON, JAMES ALEXANDER	Lune View, Bold St., Fleetwood.
1906.	Robertson, James French	Messrs. Burn & Co., Howrah Iron Works, Howrah, Bengal.
1909.	Robertson, John	113 Jerningham Rd., New Cross, S.E.
1903.	ROBERTSON, JOHN MURRAY	Messrs. J. M. Robertson & Co., Simla, India.
1906.	ROBERTSON, RUDOLPH ALEX-	c/o G. Robinson, 10 Leven St., Pollokshields, Glasgow.
1900. G.) 1906. A.M.	ANTONIO	Hylloon Works, Dedicid.
1905.	ROBERTSON, WILLIAM DUNLOP	Engineer's Dept., St. James' Gate Brewery, Dublin.
1904.	Robey, Ernest William	Avebury House, Newhall St., Bir- mingham.
1908.	Robinson, Frederick Harold	Singapore Electric Tramway Co., Singapore, Straits Settlements.
1910.	ROBINSON, HERBERT WILLARS	Works Manager, New Phonopore Telephone Co., Southall.
1909.	Robinson, Leslie Hampton	Westhaven, Chiswick, W.
1909.	Robinson, Philip Seymour	Messrs. T. Robinson & Son, Railway Works, Rochdale.
1901.	ROBINSON, SYDNEY GREEN- WOOD	Messrs. F. L. Smidth & Co., Palace Chbrs., 9 Bridge St., Westminster, S.W.
1903.	ROBINSON, THOMAS HENRY	Rushley, Chesterfield.
1906.	Robson, George	(Loco. & Wagon Supt., Messrs. Guest, Keen & Nettlefolds, Dowlais.
1908.	Robson, John	26 Dalhousie Square, Calcutta.

1005	Dancas Town Hampingon	(L.C.C. School of Marine Engineer-
1905.	Robson, John Henderson	ing, High St., Poplar, E.
1904.	Robus, George Henry	26 Ribblesdale Rd., Streatham, S.W.
1907.	(RODD, Captain WILLIAM) JAMES PAULO, A.O.D	Halifax Club, Halifax, Nova Scotia.
1898.	RODDA, JOSEPH TONKIN	Water Works Supt., 14 Seaside Rd., Eastbourne.
1910.	Rodger, James Blackwood	Messrs. John Blackwood, Barbados, West Indies.
1903.	Roe, Harrison	Ropeways Ltd., Eldon St. House, South Place, E.C.
1900.	Rofe, William	(c/o Henry Rofe, 8 Victoria Street, Westminster, S.W.
1904.	Rogers, Ernest Norman	Bishop Silver Mines Ltd., 52 Broadway, New York, U.S.
1897.	ROGERS, WILLIAM IVY	Merlin Cycle Co., Spon St., Coventry.
1897.	Rolf, George	Messrs. Robinson & Jones, 21 Collingwood St., Newcastle-on-Tyne.
1907.	Rollo, George, Jun	Fulton Engine Works, Liverpool.
1903. G.) 1906. A.M.)	Roose, FitzRoy Owen	(Cordoba Light Power & Traction Co., Cordoba, Arg. Rep.
		Electrical Eng., F. C. Oeste de Buenos Aires, Traccion Dept.,
1905.	Roscoe, Edwin Borton	Buenos Aires, Traccion Dept., Haedo, Arg. Rep.
1000	Dane 4	(Samsen Dock & Engineering Co.,
1903.	ROSE, ALEXANDER	Bangkok, Siam.
1909.	Rose, George Falconer (Life Associate Member)	8 Clive Row, P.O. Box 150, Calcutta, India.
1905.	Rosenberg, Herbert Morris	201 West 117th Street, New York, U.S.
	ROSENTHAL, FREDERICK	c/o The Agent, H.H. Nizam's Guaranteed State Rly., Secun-
1904. A.M.	MICHAEL BARBANEL	derabad, India.
1903.	Roseveare, Leslie	Borough Engineer, South Shields.
1896. G.) 1899. A.M.	Rosevere, Gerald Rhodes	Austin Motor Co., Longbridge Works, Northfield, Birmingham.
1900.	ROSEVERE, REGINALD GEORGE	Loco. Dept., Mid. Rly., Derby.
1909.	Ross, Charles Aldworth	(Highelere Motor Car Syndicate, Highelere, Newbury.
1895.	Ross, Ernest Sydney	Chief Inspector of Machinery, Public Offices, Hobart, Tas-
		mania.
1901.	Ross, Frederick George	Nesbit Rd., Mazagon, Bombay. (Westminster Electric Supply
1904.	ROSSITER, WILLIAM MORGAN	Corpn., Davies St. Station, May- fair, W.
1884. G.) 1898. A.M.)	Roux, Paul Louis	54 Boulevard du Temple, Paris.
1899.	Rowe, John	Elm House, Camborne.
1905.	ROWE, PATRICK	4 Pipe Rd., Kidderpore, Calcutta.
1907.	ROWLAND, JOHN DAVID	Messrs. Warne, Wright & Rowland, Watery Lane, Birmingham.
1907.	ROWLEDGE, ARTHUR JOHN	Wolseley Tool & Motor Car Co., Adderley Park, Birmingham.
1905.	ROYDS, ROBERT	Glasgow and W. of Scotland
1904,	RUDD, EDWARD WHITTEN	Technical College, Glasgow. 10-16 Aberfeldy Street, Poplar, E.
		Zeros, Zepter, II.

Date of Election.	of Election.	of	Date
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1896.	RUFFLE, FRANK FELINGHAM	Messrs. Bird & Co., Clive St., Calcutta.
1910.	RUSCOE, ALBERT OSWALD	Queen Anne's Chambers, West- minster, S.W.
1902.	RUSH, CHARLES HENRY ERSKINE	74 Clovelly Mansions, Gray's Inn Rd., W.C.
1906.	RUSHWORTH, DAVID	Chief Mech. Eng., Fuel Economiser Dept., Clay Cross Co., near Chesterfield.
1901.	RUSHWORTH, GEORGE WILL	Reason St. Colne
1907.	RUSSELL, ROBERT MILLAR	(Messrs, Burn & Co., Howrah Iron
1906.	RUTTY, HUGH LESLIE	(Bassishaw House, Basinghall St.,
1904.	Ryan, John	78 Avenue de la Grande Armée, Paris, France.
1897.	RYCROFT, JOHN EDWARD	Engineering Dept., Technical College, Bradford.
1901.	Saccaggio, Pietro Celestino	Chief Electrical Eng., Estacion Los Talleres, Ferro Carril del Sud, Buenos Aires, Arg. Rep.
1894.	SALIS, HENRY RODOLPH DE	(Twy Lodge Tyer Heath near IIv
1910.	SALMOND, HENRY	25 Wellington St., Glasgow.
1903.	SALTER, JOHN RUFFELL	Atherton, Lancashire.
1901. G. 1904. A.M.		Westminster Station, Vermont, U.S.
1897.	Sanders, George	Brancepeth Colliery, Willington, S.O., Co. Durham.
1903.	Sanders, George Ernest	P.O. Box 260, East London, Cape Colony.
1909.	Sanders, George James	Grasmere, Montague Rd., West Ealing, W.
1904. G.) 1907. A.M.)		British Westinghouse Co., Trafford Park, Manchester.
1899. G.		53 Victoria Street, Westminster,
1903. A.M.		S.W.
1906.	SANKEY, BERNARD	Electricity Works, Whitehaven. Chief Eng., Lucknow Iron Works,
1909.	Sanyal, Rajendra Nath	Lucknow, India.
1903.	Saunders, Albert Frank	Messrs. Saunders & Stuart, Australasia Chambers, Sydney, N.S.W.
	Saunders, Charles Henry Stanley	Asst. Loco. Supt., Madras & S. Mahratta Rly., Guntakul, Madras Presidency.
1908.	Saunders, Frederick Walter Theodore	(Managing Fing Downliging Co
1904.	SAUVÉE, LEON LOUIS	Union Works, 60 Park St., Southwark, S.E. [Sovez, London. 2265 Hop.]
1908.	SAVIDGE, JOSEPH EDWARD	Finsbury Technical College, Leonard Street, City Road,
		E.C.

1907.	SAVORY, GERALD	Teddington Motor Car and Launch Works, Teddington.
1902. G.)	SAXBY - THOMAS, HUMBERT	(Assist. Loco. & Carr. Supt., Burma
1909. A.M.	George	Rlys. Co., Insein, Burma.
1903. G.)	SAYE, KENNETH NOEL	14 Kent Rd., Southsea, Portsmouth.
1906. A.M.		Messrs. W. H. Allen, Son and Co.,
1908.	SAYER, SYDNEY	Khartoum, Egypt.
1000	C Deceme	c/o Max Gorler, Messrs. Brandeis,
1893.	SCHLOESSER, ROBERT	Goldschmidt & Co., 60 Queen St., Melbourne, Victoria.
1000	Corrown Why	Director of Works Dept., H.M.
1906.	Schoeberlein, Fritz	Dockyard, Chatham.
1910.	SCHOFIELD, HERBERT	Imperial College of Science and Technology, South Kensington,
1310.	DCHOFIELD, ILEADERI	S.W.
		Res. Electrical and Tramways
1904.	Schofield, Samuel Dean	Eng., Urban District Council,
4040		Electricity Works, Shipley. (English Sewing Cotton Co., Mount
1910.	SCHUSTER, LEONARD WALTON	Street, Manchester.
1900.	SCHUTTE, FRANCIS ALBERT	Otis Elevator Co., 4 Queen Victoria
1902. G.)	,	St., E.C. Messrs. B. R. Rowland & Co.,
1906. A.M.	Scorer, Arthur Bruce	Reddish, Stockport.
1905.	SCOTT, FREDERICK WILLIAM	122 Cannon St., E.C.
1902.	SCOTT, HENRY	Manager, Messrs. J. Chambers & Son, 200-2 St. Asaph St., Christ-
1502.	booti, iikkii	church, N.Z.
1897.	SCOTT, NEWTON L	3 Pancras Lane, E.C. [Scophot,
2001.	20021, 112/12/12/12/12/12	London. 8036 Bank.] (299 Onslow Drive, Dennistoun,
1899.	SCOTT, ROBERT	Glasgow.
1905.	SCOTT, WOOLBY LOCKWOOD	Messrs. Ransomes, Sims & Jefferies,
2000.		Orwell Works, Ipswich.  (Messrs. McKenzie & Holland,
1907.	SCOTT - LINDSLEY, HERBERT	Messrs. McKenzie & Holland, Worcester.
1909.	SCRIVENER, RALPH SAMUEL	c/o Messrs. Thos. Cook & Son,
	RAVENSCROFT	Calcutta, India.
1903. G.) 1907. A.M.)	SEAGER, FRANCIS PERCY	Rezende & Penhalonga G.M. Co.'s, Penhalonga, Umtali, Rhodesia.
1908.	SEAGRIEF, CHARLES WILLIAM	95 Chobham Rd., Stratford, E.
		Sir W. G. Armstrong, Whitworth
1899.	SECCHI, LEOPOLD	& Co., 8 Gt. George St., West- minster, S.W.; and 14 Veronica
		Rd., Balham, S.W.
1908.	SECKER, JOHN HUGH	Manager and Eng., Slough Water
1906.	SELLER, EDWARD	Works, Slough. 2 Park Crescent, Erith, S.O., Kent.
1910.	SELLS, ROBERT	Messrs. Archibald Kenrick & Sons,
1903.		Spon Lane, West Bromwich.
1907.	SEMARK, CHARLES HENRY SEMPLE, ROBERT	Faversham Iron Works, Faversham. Braehead, Johnstone.
1906.	SEWELL, HERBERT WILLIAM	sc/o Col. T. Davies Sewell, Temple
2000.	The state of the s	House, Temple Avenue, E.C.
1910.	SEXTON, WALTER JAMES	26 Sandringham Road, Leyton, N.E.
1906.	SEYMOUR, EDWIN SHIRLEY	2 Manley St., Higher Broughton,
2000.	DELECON, EDWIN OHIMBEL	Manchester.

		(Electrical Dept., Sir W. G.
1907.	SEYMOUR, GEORGE EDGAR	Armstrong, Whitworth & Co., Elswick Works, Newcastle-on-
1892. G.) 1896. A.M.) 1904.	SEYMOUR, WILLIAM FREDERICK EARL	H.M. Inspector of Factories, 91A Fishergate, Preston. 101 Hollydale Rd., Peckham, S.E.
1901.	SHADWELL, LANCELOT HORACE AUGUSTUS	Natal Govt. Harbour Dept., Port Natal, S. Africa.
1903.	SHANAN, CHARLES HENRY	Maple Hayes, Mussoorie, U.P., India. (Sir W. G. Armstrong, Whitworth
1907.	SHAPTON, NORMAN WILLIAM	& Co., 8 Great George St., West- minster, S.W.
1898. G.) 1906. A.M.)	SHARP, WILLIAM	Messrs. A. & J. Main & Co., Clydes- dale Iron Works, Possilpark, Glasgow.
1906.	SHARPE, GERALD	Considère Construction Co., 5 Victoria St., Westminster, S.W.
1901. G.) 1905. A.M.		Inschfield, Weybridge.
1905.	SHAVE, GEORGE JAMES	(S. M. Car Syndicate, 9a Hythe Rd., Willesden Junction, N.W.
1910.	SHAW, CHARLES FREDERICK	8 Perth Rd., Observatory Rd., near Cape Town, Cape Colony.
1905.	SHAW, CYRIL MORLEY	City Electrical Eng., Corpn. Electricity Works, Hylton Rd., Worcester.
1901.	SHAW, GEORGE	Works Manager's Office, Loco. Dept., G. C. Rly., Gorton, Man- chester.
1902.	Shaw, John	1 Beresford St., Shelton, Stoke-on- Trent.
1909.	Shaw, John	(Manager, Messrs. John Shaw & Sons (Salford), Wellington St. Works, Salford, Manchester.
1909.	Shaw, Peter	Managing Director, Messrs. John Shaw & Sons (Salford), Welling- ton St. Works, Salford, Man- chester.
1905.	SHAW, THOMAS RAYNOR	4 Mostyn Mount, Ovenden, Halifax.
1902. G.) 1909. A.M.)	SHAW, WILLIAM CALVERT	Messrs. Joseph Shaw & Son, Albert Works, Lockwood, Hudders- field.
1900.	SHAW, WILLIAM CAMPBELL	(Elnor House, Whaley Bridge, Stockport.
1908.	SHEARER, WILLIAM	53 Thistle Street, Edinburgh.
1899.	SHEFFIELD, FREDERICK GERARD	The Island, Twickenham.
1909.	SHENTON, JAMES WILLIAM	The Leeds Forge Co., Leeds.
1892. G.) 1905. A.M.)	SHEPHERD, JAMES HORACE	G.W. Rly., Wolverhampton; and Clarence House, Chapel Ash, Wolverhampton.
1906.	SHEPHERD, JAMES WHALEY	Chief Eng., Carnatic Mills Co., Madras.
1910.	SHERMER, HERBERT LEGASSICK	Messrs. Reunert & Lenz, P.O. Box 92, Johannesburg, Transvaal.
1904.	SHERWIN, JOHN WALLIS	{317 Portage Avenue, Winnipeg, Canada.

1899.	SHIBA, CHUZABURO	Engineering College, Imperial University, Tokyo, Japan.
1903.	SHINER, ALBERT EDWARD	Bleak House Engineering Works, 2 Holborn Bldgs., Holborn Bars, E.C. [1751 Holborn.]
1907.	SHINNIE, PATRICK NESS	Messrs. R. & J. Shinnie, 7 Union Row, Aberdeen.
1897.	SHIRTLIFF, FREDERICK	Messrs.Burn & Co., Howrah, Bengal.
1903. G.) 1904. A.M.)	SHOOLBRED, ANDREW REID.	Messrs. G. J. Worssam & Son, Wenlock Rd., City Rd., N.
1909.	SHORT, CYRIL FISK	Bottle Works, Queenborough, Sheerness.
1905.	SHORTHOUSE, BENJAMIN	7 Quality Court, Chancery Lane, W.C.
1908.	SHORTT, RALPH CHARLES	(296 Alcester Rd., Moseley, Birmingham.
1906.	SILBERSTEIN, WILLY	Messrs. Dick, Kerr & Co., Abchurch Yard, E.C.
1906.	SILBY, ROBERT PASSMORE	1 Yuen Ming Yuen Rd., Shanghai, China.
1903.	SIMCOCK, PHILIP	c/o Messrs. Shewan, Tomes & Co., Hong Kong, China.
1905.	SIMMS, CHARLES EDWARD	Alldays & Onions P.E. Co., Small Heath, Birmingham.
1906.	SIMPER, WILLIAM ALFRED	Messrs. Blackstone & Co., 81 Can- non St., E.C.
1900.	SIMPSON, DONALD GRAFTON	Trafalgar Works, Barbados, W. Indies.
1909.	SIMPSON, HERCULES	De Beers Consolidated Mines, Kimberley, South Africa.
1894. G.) 1900. A.M.)	SIMPSON, LIGHTLY STAPLETON	Assist. Loco. Supt., B. A. and Pacific Railway, Calle 25 de Mayo 277, Buenos Aires, Arg. Rep.
1896. G.) 1901. A.M.	SIMPSON, NORMAN DE LISLE	Chief Eng., Usine Ste. Madeleine, Trinidad, W. Indies.
1898.	Simpson, Stephen	Messrs. Willey & Co. Ltd., Exeter; and Tregear, Exeter. [168.]
1902.	SKINNER, GEORGE	Dunollie, Warbreck Hill Rd., Black- pool.
1905.	SLATER, ERNEST	Claremont, King Edward's Grove, Teddington.
1902.	SMAIL, CHARLES GEORGE	(c/o Messrs. Babcock & Wilcox, Calle Ventura de la Vega 1, Madrid, Spain.
1901.	Smeeton, John Alfred	56 Victoria Street, Westminster, S.W.
1904. G.) 1905. A.M.	SMITH, ARTHUR JOEL	Langdale, 224 Bristol Rd., Birmingham.
1904. G. 1910. A.M.	SMITH, ARTHUR MACKLOW	4 and 5 Queen Anne's Chambers, Westminster, S.W.
1904.	SMITH, CADES ALFRED MID-	Ugglebarnby, Fladgate Rd., Leytonstone, E.
1907.	SMITH, DAVID	Loco. Dept., Highland Railway, Inverness.
1907.	SMITH, DEMPSTER	School of Technology, Manchester.
1902.	SMITH, EDWARD TURNER	Assist. Loco. Supt., Lagos Govt. Rly., Lagos, W. Africa.
1902. G.) 1904. A.M.)	SMITH, ERNEST EDWARD	Messrs. Calthrop & Partners, Eldon Street House, Eldon St., E.C.

1906. G. 1910. A.M.		Messrs. Wellman, Seaver and Head, 47 Victoria Street, Westminster, S.W.
1895. G.) 1900. A.M.)	SMITH, FREDERICK HARD-	Steam & Electric Crane Works, Old Foundry, Rodley, Leeds. [Smith, Rodley. Stanningley 18.]
1899.	Smith, Frederick Hugh	Babcock & Wilcox Co., Oriel House, Farringdon St., E.C.
1898. G. 1905. A.M.		Ash Lodge, Watford.
1904. G.) 1905. A.M.)	SMITH, HAROLD	Canadian Crocker-Wheeler Co., St. Catharine's, Ont., Canada.
1898.	SMITH, HERBERT WILLIAM	Catharine's, Ont., Canada. Works Manager, Basford Brass Works, Nottingham; and 14 Caledon Rd., Sherwood, Nottingham.
1906.	SMITH, ISAAC HOUSBY	3 Ash Grove, Shotton, Queen's Ferry, Flints.
1907.	SMITH, JAMES	Messrs. Babcock & Wilcox, Crane Dept., Oriel House, Farringdon St., E.C.
1900.	Smith, John Smart	Messrs. S. Pearson & Son, 47 Parliament St., S.W.
1891. G.) 1894. A.M.)	SMITH, JOSEPH PHILIP GRACE	13 Wallingford Avenue, North Kensington, W.
1903. G.) 1905. A.M.)	SMITH, LOUIS WILLIAM	Managing Director, Clarke's Crank & Forge Co., Lincoln.
1905.	SMITH, MATTHEW SIDNEY	Messrs. Welch, Perrin & Co., Queensbridge St., S. Melbourne, Victoria.
1900.	Smith, Montague Howard	Queen's Park Works, Lonsdale Rd., Kilburn, N.W.
1909.	SMITH, PERCY PHILIP OSCAR	Messrs. Coode, Son & Matthews, 9 Victoria St., Westminster, S.W. (Messrs. S. Smith & Sons (Nottm.),
1898. G.) 1905. A.M.)	Smith, Ralph Vernon	Basford Brass Wks., Notting- ham; and Manor Park, Rud- dington, Nottingham.
1910.	SMITH, SYDNEY WILLIAM	Assistant Port Engineer, Aden. (Main Drainage Dept., Public Works
1907.	SMITH, THOMAS HAROLD	Ministry, Cairo, Egypt.
1898.	Smith, Thomas John	[75 Newcastle Rd., Shelton, Hanley, Staffordshire. [1064 Central.]
1903. G.) 1905. A.M.	SMITH, ULRIC VIVIAN	29 Cordiner Street, Mount Florida, Glasgow.
1900. G.) 1902. A.M.)	SMITH, WALTER TOM	Steam & Electric Crane Works, Old Foundry, Rodley, Leeds. [Smith, Rodley. Stanningley 18.]
1906. 1904.	SMITH, WARREN BODEN SMITH, WILLIAM JOSEPH	66 College St., Chelsea, S.W. Mid. Rly. Carriage Dept., Derby.
1911.	(SMODERTHATE GEORGE)	Battersea Polytechnic, S.W.
1909.	SMYTH, ARCHIBALD HUGH	South Indian Railway, Trichinopoly, India.
1909.	SMYTH, EDWARD WATSON	Messrs. Joshua Buckton & Co., Well House Foundry, Leeds.
1901. 1900. G.)	SMYTH, JOHN McFall	Dunseverick, Barnet. (Box 85, British Post Office, Con-
1904. A.M.	SMYTH, ROBERT HENRY	stantinople.

1911.	ASSOCIATE MEM
Date of Election.	
1901.	SMYTH, WILLIAM MILLER CAMPBELL
1906.	SMYTHE, ALAN THEODORE {
1905.	Snow, William Raeburn
1906.	SOKAL, SIEGMUND
1902. G. 1910. A.M.	SOMERS, FRANK
1906. 1903. G.)	Somerville, Lindsay
1906. A.M.)	Sommerville, Alfred
1903.	SOPWITH, JOHN
1910.	Sowden, George Henry {
1900. G.) 1902. A.M.)	Soyres, Bernard de {
1908.	SPALDING, EDMUND WILLIAM
1907.	SPARKS, HUBERT CONRAD {
1902. G.) 1905. A.M.)	SPEAKMAN, EDWARD MURRAY
1899.	SPEIGHT, JAMES WILLIAM {
1907.	Spencer, Arthur John
1901.	SPENCER, ARTHUR LINCOLNE HITCHCOCK
1897.	SPENCEB, HENRY WILMOT {
1901.	SPENCER, WILLIAM EDWARD SPENCER HITCHCOCK
1908.	SPENSLEY, JACOB WILLIAM {
1905.	SPICER, FREDERICK LEMUEL

SPILLER, CLAUDE ..

SPINKS, JOHN JAMES

RUSSELL

SPINNEY, REGINALD DAWES ..

SPRING, ARTHUR LAWRENCE .. SPROULE, GEORGE HUSTON

SPBUNT, HERBERT WILLIAM ..

SPURR, GILBERT RICHARD ... SQUIRE, GEORGE FREDERICK

STAFFORD, WILLIAM SEDGWICK

1899.

1910.

1905. 1904.

1903.

1901. 1903.

1900.

1910.

40 Davenport Road, Catford, S.E.
(Milford Lodge Crayon Arma
R.S.O., Salop.  Messrs. William Hosken & Co., P.O. Box 667, Johannesburg,
Transvaal.  55 Chancery Lane, W.C. [Sokalsig, London. 4515 Holborn.]
London. 4515 Holborn.] (Haywood Forge, Halesowen, Birmingham.
30 Florence Park, Redland, Bristol. Corpn. Tramways Depôt, Ayr.
(London and India Docks Co., Engineer's Office, Victoria and Albert Docks, E.
Parsons Motor Co., Town Quay, Southampton.
Messrs. Godwin Warren & Co., Redcliff St., Bristol.
c/o Messrs. Ruston, Proctor & Co., Sheaf Iron Works, Lincoln. 49-51 Moorgate Court, Moorgate
St., E.C. (Messrs. Cammell, Laird & Co.,
Birkenhead. The Elms, Lytham Rd., St. Anne's-
on-the-Sea, Lancs. The Science Museum, Board of Education, S. Kensington, S.W.
Manager, Messrs. W. H. Spencer & Co., Hitchin. [Engine, Hitchin. 5.]
Braeside, Longton Avenue, Upper Sydenham, S.E.
St. Margaret's, Hitchin.
Messrs. Ormandy, Spensley & Co., 53A Barton Arcade, Manchester. Middlesex Works, School Rd., Hampton Wick
54 Hanover Rd., Plumstead.
Dist. Loco. Supt., Delta Light Rlys., Damanhour, Egypt. Messrs. Rolls Royce Ltd., Nightin-
gale Rd., Derby. (City Engineer's Dept., Town Hall, Hull.
P.O. Box 21, Florida, Transvaal.
Engin-Chief, S. London Electric
Supply Corpn., Bengeworth Rd., Loughborough Junction, S.E. Electricity Works, Priory Avenue,
Walthamstow, N.E. Little Croft, Steventon, S.O., Berks.

(Electricity Works, Cardiff Rd.,

Watford.

1903.	STANGER, REGINALD HARRY HURSTHOUSE	[Broadway Testing Works, Broadway, Westminster, S.W. [117] West.]
1904.	STANLEY, HARRY FRANK, Jun.	48 Denmark Road, Southport.
1906.	STARKIE, JAMES EDMUND	Boro' Electrical Eng., Electricity Supply Works, Burnley.
1903. G.)	STAVELEY, DOUGLAS DUNBAR	sc/o M. M. Sintoeroe, Sintoeroe,
1907. A.M.)	STATEMENT, DOUGHAS DURBAN	Sambas, Dutch West Borneo.
1909.	STEADMAN, WILLIAM MILTON	Messrs. Marshall, Sons & Co., 99 Clive St., Calcutta.
1902.	STEDMAN, GEORGE PERCY WILLIAM	Works Manager, Railway Foundry and Engineering Works, Read- ing.
1902. G.) 1907. A.M.)	STEED, ALFRED WILLIAM	(H. M. Patent Office, 25 Southamp-
1904.	STEEDMAN, HENRY PERCY	ton Bldgs., Chancery Lane, W.C. 63 High Holborn, W.C. [Nam-
1304.	GORMANSTON	deets, London. 8232 Central.]
1900.	STEEL, THOMAS JOHN	Almada Sugar Refineries Co., Hda.  "La Primavera," Disto de Culiacan, Altata, Sinaloa, Mexico.
1902.	STENNING, HUGH WALTER	Works Manager, Soudan Military Rlys., Shendy, Soudan, Egypt.
1901.	STEPHENS, HILLIARD	Carlton Hotel, Southsea, Portsmouth.
1908.	STEPHENSON, HAROLD VICTOR	Car & General Insurance Corpn.,
	,	1 Queen Victoria St., E.C. (Janus Works, Queen's Rd., Batter-
1899.	STEVENS, EDWIN CHARLES	sea, S.W. [Hydraulics, London. Battersea 115.]
1902. G.) 1907. A.M.)		Marine Dept., Messrs. Vickers, Sons and Maxim, Barrow-in- Furness.
1902.	Stevenson, John	Suptg. Eng., Mazawattee Tea Co., Knoyle St., New Cross, S.E.
1903.	Stevenson, John Le Che	Messrs. Stewart and Lloyd, Coombs Wood Tube Works, Halesowen, Birmingham.
1899. G.) 1903. A.M.)	STEWART, CHARLES	56 Harrogate Road, Moor Allerton, Leeds.
1910.	STEWART, CHARLES DUNCAN	Tientsin Gas and Electric Light Co., Tientsin, China.
1908.	STEWART, CHARLES JOHN	H. M. Patent Office, 25 Southampton Buildings, W.C.
1907.	STIGANT, GEORGE ALEXANDER	Loco. Dept., C.S.A. Rlys., Viljoens Drift, O.R.C., S. Africa.
1907.	ST. LEGIER, Eng. Lieut. ARCHI- BALD SAMUEL DE, R.N	82 Marlborough Avenue, Broom- hill, Glasgow.
1909.	STOCKLEY, CHARLES RENNIE.	175 Victoria Rd., Wood Green, N.
1892. G.)		P. O. Box 1355, Johannesburg,
1905. A.M.		Transvaal. (H. M. Office of Works, Storey's Gate,
1901.	STOKES, JOHN THOMAS	S.W.; and Coleraines, Plough Lane, Purley, S.O., Surrey.
1907.	STONE, SIDNEY CHARLES EVE	Engineer's Dept., L.C.C., Spring Gardens, S.W.
1911.	STONE, THOMAS ALFRED FOOTE	Govt. Canal Foundry and Workshops, Roorkee, U.P., India.
	STONEBRIDGE, ARTHUR WAT-	7 Hastings Street, Calcutta, India.
1904. A.M.	son	, and the state of

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Date of	Election	•	
1901.		STONES, WILLIAM GRIMSHAW	24 Pre
1906.		STOREY, CLIFFORD BARTON	Harley S.O.
1905.		STOTESBURY, RICHARD HENRY	Home
1904.		STOVE, ALFRED EDWIN	Hastin Stra 2896
1899.	G.)	STOW, GEORGE	Winds
1902.	A.M. 5	STOWE, HENRY JOHN DANFRITH	10 Cli
1908.		STRACHAN, ARTHUR	\ Metro
1904.		STRINGER, PERCY	Messrs
1904.	G. A.M.	STRINGER, ROBERT	9 Hall
1898.	G. A.M.	STRONG, ALFRED GEORGE	{Norfol
1910.		STUART, EDWARD JOHN	Singer
1901.		STUBBS, HERBERT	Manus
1909.		STURGEON, HENRY CURRAN	Cairo
			(P. O.
1907.		STURROCK, FREDERICK CLAUDE	Tran
1904.		STURROCK, JAMES FLEMING	Messrs Wal
1894.	G.)	SUFFIELD, FRANK WILSON	557 Co
1897.	A.M.)	SUMMERFIELD, RICHARD DUN-	(Stee
1901.	1	NING	DUITOUI
1909.		SUMNER, ARTHUR WILLIAM	Grays (The P
1906.		SUMNER, GEORGE GEOFFRY	ches
1902.		SUMNER, LEONARD	Brough [Cop
1903.		SUNDERLAND, WALLACE	2 Hoy
1900.		SUTCLIFFE, EDGAR ROUSE	Messrs
			Leig (Loco.
1905.		SUTCLIFFE, INGHAM	Inch
1904.		SUTHERLAND, DONALD	Messrs Eng
			Manag
1896.		SUTHERLAND, JAMES	Harl
	(	SUTHERLAND, KENNETH WAL-	Messrs
1908.	{	LACE	Brook
1908.		SUTTON, FREDERICK BASS	)18 Eln
			Han (Messrs
1894.		SUTTON, HUGH REGINALD	Wor
Carrie .			[Mac Messrs
1905.		SWAFFIELD, NORMAN	shan
1908.		SWAIN, EDWARD HENRY	Eng. 8
		,	Trefe

24 Preston New Road, Blackburn. Harley Rectory, Much Wenlock, S.O., Salop.

Homeville, Stonehouse, Glos.
Hastings House, 10 Norfolk St.,
Strand, W.C. [Nunan, London.
2896 Gerrard.]

Windsor Villa, Trecynon, Aberdare.

10 Clive St., Calcutta, India. (Metrop. Water Board, 173 Rosebery Avenue, Clerkenwell, E.C. Messrs. Tasker & Sons, Andover.

9 Hall Road, Eccleshill, Bradford.

(Norfolk Works, St. Paul's, Bristol. [Omega, Bristol. 289.]

Singer Mfg. Co., Singer, Clydebank, Glasgow.

Manual Instruction Dept., Higher Grade School, Wolverhampton. Cairo Main Drainage, P.W.D.,

Cairo, Egypt.
P. O. Box 2863, Johannesburg,
Transvaal.

Messrs. Robertson and Orchar, Wallace Foundry, Dundee.

57 Colmore Row, Birmingham. [Steelwork, Birmingham. 375 Y.]

Schoolcroft, Solihull, Birmingham.

Grays & Tilbury Gas Co., Grays. The Priory, Victoria Park, Manchester.

Broughton Copper Co., Manchester. [Copper Co., Manchester. 638.]

Hovingham Terrace, Harehills Lane, Leeds.

Messrs. Sutcliffe, Speakman & Co., Leigh, Lancs.

Loco. Dept., G. S. & W. Rly., -Inchicore, Dublin.

Messrs. Hawthorns & Co., Leith Engine Works, Leith.

Manager, Alumina Factory, Larne Harbour, Co. Antrim, Ireland. [Aluminium, Larne Harbour.]

Messrs. Todd and Samuel, 65-69 Brookman's Bldg., Adelaide, S. Australia.

18 Elm Grove Rd., Farnborough, Hants.

Messrs. Mackies, Berks Iron Works, Caversham Rd., Reading. [Mackies, Reading. 86.]

Messrs. Hugh Wilson Ltd., Caversham Bridge Works, Reading. Eng. and Manager, Gas Works,

Treforest, Pontypridd.

Da	te	of	FO1	ect	ion.

Date of Election	•	
1910.	Swainson, Laurance Webster	Electrical Dept., L. & N.W. Rly., Euston Station, N.W.
1902.	Swan, Edward Montgomery	Gordon Chbrs., 31 Queen St., Cardiff. (Tanjong Pagar Dock Board, Keppel
1905.	Swan, William Robert	
1904.	SWEATMAN, HARRY	P.O. Box 1899, Vancouver, British Columbia.
1909.	SWIFT, JAMES THOMAS BOLTON	Micklem Hall, Oxford.
1904.	SWINCHATT, PERCIVAL HALL	Govt. Industrial Arts School, Luck- now, India.
1905.	Sykes, Fred	Technical School, Lincoln.
1906.	SYMONDS, PERCIVAL HERBERT	Brush Electrical Engineering Co., 1 Kingsway, W.C.
1904.	Symons, James Francis	Mech. Engineering Dept., L.C.C., Spring Gardens, S.W.
1909.	SZYMANOWSKI, KONRAD	4 Wosnessenski Prospect, St. Peters- burg, Russia.
1887. G.) 1895. A.M.	TABOR, EDWARD HENRY	12 Mycenae Road, Blackheath,

1887. G.) 1895. A.M.)	TABOR, EDWARD HENRY	{12 Mycenae Road, Blackheath, S.E.
1900. G. 1908. A.M.	TAITE, GEOFFREY CHARLES	25 Buckingham Gate, S.W.
1902. G.) 1905. A.M.)		Messrs. Talbot and Davison, 34 West 61st Street, New York, U.S.
1893.	TALBOT, FREDERICK WILLIAM	Pitt, Winchester.
1897.	TALBOT, WILLIAM JOHN	Talbot-Stead Tube Co., Birchills, Walsall.
1907.	TANFIELD, RICHARD	Roodebloem, Woodstock, Cape Town, Cape Colony.
1905.	TASKER, EDWARD ERNEST	3 Aberdour Gardens, Goodmayes, Ilford.
1899.	TAVERNER, HERBERT LACY	West India House, 96-98 Leadenhall St., E.C.
1902.	TAYLOR, ARTHUR	71 Victoria Avenue, Southend-on- Sea.
1897.	TAYLOR, ARTHUR JOSEPH	11 Goldsmith Avenue, Acton, W.
1909.	TAYLOR, ARTHUR WALTER	Waltons Bldgs., 5 New Brown St.,
1905.	TAYLOR, CHARLES ALBERT	21 Sydney St., Chelsea, S.W.
1902.	TAYLOR, DUDLEY FOSTER	(Kynoch Forward Eng. Co., Holford Works, Perry Barr, Birmingham.
1899. G.) 1902. A.M.)	TAYLOR, FRANK COSTON	Electrical Dept., Egyptian State Rlys., Gabbary, Alexandria, Egypt.
1907.	TAYLOR, FREDERIC HENRY	14 Victoria St., Westminster, S.W.
1907.	TAYLOR, FREDERICK	Corpn. Tramways Dept., Shiffnall St., Bolton.
1901. G.) 1905. A.M.		H.M. Inspector of Factories, 41 Park Square, Leeds.
1910.	TAYLOR, JAMES HENRY	Naval Yard, Hong Kong, China.
1905.	TAYLOR, JOHN THOMSON ,.	22 Cornhill Terrace, Leith.
1909.	TAYLOR, LIONEL STANLEY	Messrs. Taylor and Hutchinson, 23 Drury Buildings, 21 Water St., Liverpool.
1908.	TAYLOR, SAMUEL LARK	Town Quay, Falmouth.
1901.	TAYLOR, TOM	Daisy Bank, Woolfold, Bury, Lancs.

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	(Messrs. Taylor, Wallin and Taylor,
1909. TAYLOR, WALTER REGINALD	Cathedral Buildings, Newcastle- on-Tyne.
1905. TAYLOR, WILFRID	13 Lowgate, Hull. [Motors, Hull. 548.]
1902. {TAYLOB, WILLIAM ROBERT CHEETHAM	Falcon Oil Co., Hereford Works, Ordsall Lane, Manchester.
1910. TELFORD, LANCELOT LINCOLN	17 Edward Avenue, Weaste Lane, Pendleton, Manchester.
1910. TEMPLE, FREDERICK CHARLES	District Engineer, Mozufferpore, T.S. Rly., India.
1909. Tench, John Anthony	Madras and S.M. Railway Co., Arkonam, S. India.
1904. {Tennant, Alfred Marma-	Alexandria Water Works, Alexandria, Egypt.
1908. Tester, Arthur Luscombe	Messrs. John Thompson & Co., 63 Queen Victoria St., E.C.
1908. {Tetley, Thomas Reginald Herbert	Falcon Works, Bedford St., Salford, Manchester.
1896. G.) THOM, FRANK	Canal Foundry, Blackburn.
1904. Тном, Јони	London Central Markets Cold Storage Co., 223 Central Markets, E.C.
1908. THOMAS, ADOLPHUS HENRY	70 Melody Rd., Wandsworth, S.W.
1903. Thomas, Evan Gibson	Tan-y-bryn, College Sq., Llanelly. (Chief Eng., Buckingham Mill,
1906. THOMAS, FRANK	Madras.
1909. Thomas, George Allan	52A Prince of Wales Rd., Battersea Park, S.W.
1907. THOMAS, HUGH BLAKE	Ingénieur et Directeur des Mines de Beni Felkaï, Oued Marsa, Bougie, Algeria
1010 17 17	Pierce-Arrow Motor Car Co., 1695
1910. THOMAS, HUGH KERR	Elmwood Avenue, Buffalo, N.Y., U.S.
1907. THOMAS, JOHN VICK	14 Alexandra Rd., Gloucester.
1901. G. THOMAS, NEVILL SENIOR	Rhoose, Cardiff.
1901. G. THOMPSON, EDGAB WAKELIN	Manager, Boyd's Ice Factory, Kalikat St., Bombay.
1901. {Thompson, Frederick Wil- BERFORCE	(Messrs. Crompton & Co., Salisbury House, London Wall, E.C.; and 29 Chasefield Rd., Tooting, S.W.
1907. THOMPSON, HABINGTON GEORGE CAMPBELL ONSLOW	Messrs. Severn & Co., 20 Budge Row, Cannon St., E.C.
1897. Thompson, Herbert	8A Beira Street, Balham, S.W.
1902. G. THOMPSON, JOHN ARCHIBALD	Torquay, Gloucester Road, Norbiton.
1908. {Thompson, John Vincent Legh	(Messrs. Hart, Son, Peard & Co., 138 and 140 Charing Cross Rd., W.C.
1896. THOMPSON, THOMAS	St. Osyth, Lee Rd., Blackheath, S.E.
1899. G. THOMSON, ALFRED MORRIS	20 Blenheim Drive, Glasgow.
1901. THOMSON, DAVID LOCKERBIE	Box 382, Mayaguez, Porto Rico. Vid New York.
1894. Thomson, Henry	Messrs. J. Frizzoni & Co., Allaha- bad, India.

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1901.	THOMSON, JAMES CUNNINGHAM	New Building & Construction Co., Shanghai, China.
1893. 1904.	THOMSON, JAMES WATSON THORNE, HENRY HUBERT	Robert Gordon's College, Aberdeen. 36 Fenton Sq., Huddersfield.
1911.	THORNE, HENRY THOMAS	1 Royal Parade Mansions, Muswell Hill, N.
1904. G.) 1910. A.M.)	THORNE, LEONARD	Metropolitan Water Board, Com- mercial Rd., Pimlico, S.W.
1910. 4.11.)	THORNELOE, ARTHUR JOSEPH	Messrs. Rollet et Cie., 64 Rue de la Folie-Méricourt, Paris XI.
1907. 1899.	THORNTON, HARRY HALL THORNYCROFT, JOHN EDWARD	48 Darnley Rd., Gravesend. Homefield House, Chiswick Mall, W.
1907.	THORPE, CHARLES WILLIAM	District Asylum, Mullingar. (Charing Cross and Strand Elec-
1894. G.) 1901. A.M.)	THORPE, WILFRED BERTRAM	tricity Supply Corpn., 60 St. Martin's Lane, W.C.
1907.	THORPE, WILLIAM ALFRED CHARLES	North Western Rly., Lahore, India.
1907.	THURSFIELD, GREVILLE RICH-	Sturtevant Engineering Co., 147 Queen Victoria St., E.C.
1906.	TIMMINS, EBENEZER	Bridgewater Foundry, Runcorn; and Trinity House, Runcorn.
1895. G.) 1902. A.M.	77	Natal Govt. Rly. Works, Durban, Natal.
1905.	Toder, John	P.O. Box 255, Sydney, N.S.W.
1905.	Toms, Robert	Royal Albert Memorial College, Exeter.
1909.	Tooms, John Grice	Manager, Waterford Gas Co., Gas Works, Waterford.
1908.	TORPY, REGINALD NORMAN	Resident Engineer, Electricity Works, Durnsford Rd., Wimbledon.
1900.	Townsend, William	Messrs. Joseph Baker & Sons, Willesden Junction, N.W.
1910.	TOZER, CHARLES WILLIAM	74 Carlton House, Regent St., S.W. (Consolidated Mines Selection Co.,
1909.	TRACY, HAROLD WINGFIELD	P.O. Box 2269, Johannesburg, Transvaal.
1899. G.) 1906. A.M.	TRAFFORD, JOSEPH PETER	Parry Motor Co., Erdington, Bir- mingham.
1899. G.) 1903. A.M.)	TREGONING, WYNN HAROLD	St. Stephen's Club, Westminster, S.W.
1903. G.) 1904. A.M.)	TRENCH, WILLIAM CONNELL POWER	Hillsboro, Finchfield, Wolver- hampton.
1903. G.) 1906. A.M.)	TRESHAM, LANCELOT DAVID	26 Park Avenue, Palmer's Green, N.
1909.	TREWBY, LAWRIE	General Manager, North Mid- dlesex Gas Company, Mill Hill,
1903. G.) 1908. A.M.)	TRIMMER, GEORGE WILLIAM ARTHUR	Messrs. Burn & Co., 7 Hastings St., Calcutta.
1908.	TRIMNELL, LEONARD CHARLES BOUGHEY	Richmond (Surrey) Electric Light and Power Co., Rich- mond, Surrey.
1907.	TRIPP, GEORGE WALTER	Royal Carriage Dept., Royal Arsenal, Woolwich.
1905.	TRITTON, WILLIAM ASHBEE	Genl. Manager, Messrs. Wm. Foster & Co., Wellington Foundry, Firth Rd., Lincoln.
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Date	of	El	ec	ti	on	
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Date of Election	•	
1901.	True, Robert Arthur	Works Manager, Messrs. Barford & Perkins, Queen St. Iron Works, Peterborough.
1902.	TUBBS, WILLIAM EDWARD	Harmire, Woodland Rd., Ching- ford.
1902. G.) 1906. A.M.)	TULIP, WILFRED	Hongkong & Whampoa Dock Co., Hong Kong, China. Messrs. Siemens Bros., Dynamo
1902.	TUNLEY, PERCY JAMES	Works, 4 MacLean St., Madras, India.
1905.	TUNNICLIFFE, WALTER GEORGE	(39 Mandrake Road, Upper Tooting, S.W.
1909.	TURNBULL, JAMES ARMSTRONG	Talisman Consolidated, Karanga- hake, New Zealand.
1901. G.) 1905. A.M.	TURNBULL, WALTER ALEX-	9 Harcourt St., Heworth, York.
1901. G.) 1905. A.M.	TURNER, ERNEST WILLIAM	City Surveyor's Office, Highways Dept., Sheffield.
	Manager Francisco Hoopen	Courts-Turner Engineering Co.,
1905.	TURNER, EUSTACE HOOPER	Albert Sq., Manchester. [Chim-neys, Manchester. 5392.]
1900.	TURNER, FREDERICK WILLIAM	St. Peter's Iron Works, Ipswich. [Gippeswyk, Ipswich.]
1903.	TURNER, JOHN ALEXANDER	Newlyn, High St., Fletton, Peterborough.
1898. G.) 1905. A.M.	TURNER, VINCENT	Town Hall, Bilston.
1901. G.) 1904. A.M.	TURNER, WILLIAM WALLACE	Sydney Hydraulic & Genl. Eng. Co., Martin Place, Sydney, N.S.W.
1910.	TURNEY, FRED	Les Forges et Fonderies de Maurice, Port Louis, Mauritius.
1910.	TURVEY, WILLIAM JOHN WAKE-	Box 125, G.P.O., Napier, Hawke's Bay, New Zealand.
1906. 1901.	Underwood, Albert Leopold Unwin, Maurice Everett	3 and 5 Queen St., Cheapside, E.C. Messrs.John Brown & Co., Sheffield.
1898.		[57 Barton Arcade, Manchester.]
1903. 1908.	USHERWOOD, THOMAS SCRIVEN UTTING, SAMUEL	Bellevue, Rusper Road, Horsham. 65 Warwick Rd., Kensington, S.W.
1905.	UTTLEY, EDWIN ABRAHAM	Govt. Electrical Eng., Bulawayo,
		Rhodesia, S. Africa.
1906.	VALLAT, HENRY HOWARD	Cia. de Alumbrado, Casilla 45,
1910.	(VALON, WILLIAM ARGENTINE)	\ Iquique, Chile. The Gas Works, Stafford.
1907.	VAUGHAN, CHARLES BOUND	1201 Barcombe Avenue, Streatham
1900,	VENNING, Eng. Lieut. ALBERT	Hill, S.W. St. Feock, Devoran, R.S.O., Corn-
1900.	VENNING, Eng. Lieut. THOMAS	wall. St. Feock, Devoran, R.S.O., Corn-
20001	ARNOLD, R.N	\ wall.

1909. 1905.	VEZEY, ALBERT EDWARD  VIAL, HAROLD FRANK  VICKERS, ERNEST JOHN	Chief Eng., Messrs. E. & T. Pink, Staple St., S.E.; and 37 Fal- mouth Rd., Borough, S.E. Croslands Park, Furness Abbey, Barrow-in-Furness. 14 Duchess Rd., Edgbaston, Bir- mingham.
1900. G.) 1906. A.M.	VINEY, HORACE	29 Angell Road, Stockwell, S.W.
1901.	VISICK, CHARLES	Works Manager, Basset Works,
1910.	VIZETELLY, VICTOR RENÉ	Devoran, Cornwall.  Messrs. H. Pontifex & Sons, Shoe  Lane, E.C.
1905. G.) 1906. A.M.)	WADDY, ALBERT WILFRED	{Albion House, New Oxford St., W.C.
1897. G.) 1902. A.M.	WADE, FRANCIS RICHARD	95 Colmore Row, Birmingham.
1900. G.)	WADHAM, ROBERT	Messrs. Calvert & Co., Gothenburg, Sweden.
1904. A.M.	WAINWRIGHT, WALTER HEP-	(Burgh Engineer's Office, 1 Parlia-
1906.	BURN	ment Sq., Edinburgh. Gordon Chbrs., 31 Queen St.,
1908.	WAITE, WILLIAM VINCENT	Cardiff.
1908.	Waldron, Frederic Barnes	Braydon Oak, Shirley Road, South- ampton.
1901.	Walford, Frederick	Behar School of Engineering, Bankipur, India. Managing Director, Vancouver Ma-
1901.	Walkem, George Alexander	chinery Depôt, Vancouver, B.C.
1901.	Walker, Alfred	Municipal Technical Institute, Romford Rd., West Ham, E.
1904.	Walker, Arthur	Messrs. Burrell & Co., Burrell's Wharf, Millwall, E.
1903.	Walker, Arthur Ernest	36 Basinghall St., E.C. (c/o Japanese Explosives Co., 38-39
1910.	WALKER, FRANCIS VANE	Parliament St., Westminster, S.W.
1908.	Walker, Frank Egerton	Messrs. Garrett & Sons, Leiston, S.O., Suffolk.
1910.	Walker, Herbert Carr	Managing Director, Yorkshire Engineering Supplies Ltd., Ingham St. Works, Hunslet Rd., Leeds.
1910.	WALKER, JAMES WILLIAM	Municipal Workshops, Dalhousie Street, Rangoon, British Burma.
1908.	Walker, John Briton	Messrs. Hopkins and Gardom, 349 Bartolomé Mitré, Buenos Aires, Arg. Rep.
1910.	WALKER, LESLIE CHARLES	Waterworks Engineer and Manager, Town Hall, Reading.
1910.	WALKER, ROBERT	P.W.D., Government Buildings, Wellington, New Zealand.
1898. G.) 1901. A.M.	Walker, Robert Hugh	(Manager, Neuchatel Asphalte Co., Travers, Neuchatel, Switzerland.
1908.	WALKER, THOMAS ARCHIBALD	Solway, Granville Road, East- bourne.
1910.	Walker, William Percy	London Hydraulic Power Co., Hat- field St., Southwark, S.E.

Date	of	El	ect	ion.
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1899.	WALKER, WILLIAM PETO	Vacuum Brake Co., 32 Queen Victoria St., E.C.
1905.	Wall, Charles	23 Friern Road, East Dulwich, S.E.
1901. G.) 1904. A.M.)	Wallace, Cecil Percy	Messrs. Selig Sonnenthal & Co., 85 Queen Victoria St., E.C.
1910.	WALLACE, WILLIAM	Manager, British Hele-Shaw Clutch Co., Suthers St., Oldham.
1910.	Walthew, James Galloway	Manager, Messrs. Crossley Brothers, 200 Great Brunswick St., Dublin.
1900. G. 1903. A.M.	Walton, Denys	Patent Office, 25 Southampton Bldgs., W.C.
1907.	WALTON, WILLIAM RAYNES	Tower Chambers, 30 Spring Gardens, Manchester.
1898. G.) 1905. A.M.	Wans, Oswald	4 Lindum Terrace, Lincoln.
1904. G. 1905. A.M.	WARBROOK, FREDERICK GEORGE	Messrs. Massey & Co., Napier Works, Madras.
1904.	WARD, AUGUSTINE MELLIAR	San Rafael Paper Co., Calle San Agustin 15, Mexico City, Mexico.
1897.	Ward, John Cecil	Messrs. Edgar Allen & Co., 434 West Randolph St., Chicago, Ill., U.S.
1898. G. 1901. A.M.	WARDLE, FRANK HAROLD	Electricity Dept., Nottingham Corpn., Talbot St., Nottingham. Burnley Rd., Rawtenstall, Man-
1908.	WARE, EDWARD SAMUEL	Burnley Rd., Rawtenstall, Man- chester.
1888. G.) 1905. A.M.)	Waring, Henry	Terenure Laundry Co., Terenure, Dublin.
1909.	WARNER, FRANCIS GEORGE	Permanent Way Office, Miller St., Birmingham.
1901. G. 1903. A.M.	WARNER, HAROLD METFORD	Lake House, Low Bentham, Lan- caster.
1900. G. 1903. A.M.	Warner, James Sutherland	5 Carteret St., Westminster, S.W. [Birail, London.]
1910.	WARREN, EDWARD CHAMBERS	Manganese Bronze and Brass Co., St. George's Wharf, Deptford, S.E.
1892. G.) 1898. A.M.)	WARTON, RICHARD GEORGE FRANK	Gardiner, Salisbury, Rhodesia, S. Africa.
1902.	WARWICK, WALTER	Messrs. N. Wadia & Sons, Cumballa Hill, Bombay.
1895.	WASDELL, ABEL	Supt., Water Works, Allahabad, India.
1909.	Watkins, John Henry	Messrs. Royce, Trafford Park, Man- chester.
1910.	WATKINS, WILLIAM GATH	17 Rothesay Ave., Nottingham.
1904.	Watson, Allan Griffiths	Assist. Supt., S. African Rlys., Kimberley, Cape Colony.
1907.	Watson, Edward Fairlie	Messrs. Arthur Butler & Co., Mozufferpore, India.
1908.	Watson, Francis Renton Barry	Merchant Venturers' Technical College, Bristol.
1903.	WATSON, GEORGE WILLIAM	Sundridge, Glebe Avenue, Wood- ford Green, Essex.
1902.	Watson, Herbert Edward	"The Statesman," 3 Chowringhee, Calcutta.
1909.	Watson, James	Loco. Dept., Cal. Ry., St. Rollox, Glasgow; and 307 Ruchill St., Glasgow.

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1908.	Watson, John	Messrs. Andrew Barclay, Sons & Co., Caledonia Works, Kilmar-
		mock.
1902.	Watson, John Craig	Mass. Inst. of Technology, Box 5, 491 Boylston Street, Boston, U.S.
1910.	WATSON, OWEN WILLIAM JOSEPH	Aster Engineering Co., Wembley, S.O., Middlesex.
1900.	Watson, Richard	(2A Narbonne Avenue, South Side, Clapham Common, S.W.
1906.	Watters, Thomas Charles	P.O. Waikino, Upper Thames, Auckland, New Zealand.
1906.	WATTS, HERBERT WILLIE	Res. Eng., Electricity Works, Thames St., Weybridge.
1908.	WATTS, RICHARD EDWARD	Messrs. Blackstone & Co., Rutland
1906.	WAYNE-MORGAN, JOHN	Engineering Works, Stamford. 6 Church Rd., Whitchurch, Cardiff.
1907.	717 TT	Engin-Chief, Grand Canal Co.,
		James's Street Harbour, Dublin.
1902. 1910.	WAYTE, JAMES BENJAMIN	12 Lemon St., Dublin. [1187.]
	WEAVER, WILLIAM GEORGE	The Technical College, Bradford. (Messrs. Johnson, Matthey & Co., 78
1907.	WEBB, ARTHUR JAMES	Hatton Garden, E.C.
1910.	(WEBB-BOWEN, HILDRED ED-	British Aluminium Co., Kinloch-
	( WARD	leven, Argyllshire.
1902. G.) 1904. A.M.	Webster, Arthur Guy	Messrs. Bain and Mitchell, Y.M.C.A. Bldg., Montreal, Canada. Messrs. Thomas Firth & Sons,
1906.	Webster, Frank Thornton	Norfolk Works, Sheffield.
1910.	Webster, John	College of Engineering, Madras, India.
1906.	WEDEKIND, JULIUS EDWARD	2 Monivea Road, Beckenham.
1900.	Wellington, John Morecraft	Priory Works, Priory Grove, S. Lambeth, S.W.
1904.	Wells, Edward Nelson	6 Dartmouth Park Avenue, High- gate Rd., N.W.
1903.	Wells, Joseph Malcolm	19 Lunham Rd., Upper Norwood, S.E.
1893.	Wells, Sidney Herbert	Director-Genl., Dept. of Agricul- ture and Technical Education, Cairo, Egypt.
1907.	WELLSMAN, CHARLES	8 and 10 Manesty Lane, Liverpool.
1910.	WERTHEIM, MAX	Oudtshoorn, Cape Colony.
1902.	WEST, WILLIAM POWNOLL	Mina Demetrio, Alcaracejos, Pro-
1902. G.) 1905. A.M.)		vincia de Cordoba, Spain. 71 Cambridge Mansions, Battersea Park, S.W.
1900. G.\ 1902. A.M.\		Egyptian State Rly., Cairo,
		P.O. Box 108, Uitenhage, Cape
1907.	WESTLEY, ARTHUR WILLIAM	( Colony.
		Kensington and Knightsbridge
1899.	WESTON, GEORGE CAMBRIDGE	Electric Lighting Co., Albert Vaults, Prince Consort Rd., S.
1906.	WESTON, ROBERT OGILVY	Kensington, S.W. Gwelo, Rhodesia, S. Africa.
2000.		(Engineer's Dept., L.C.C., Spring
1902.	WETHERELL, RAYMOND ED- WARD CORDEUX	Engineer's Dept., L.C.C., Spring Gardens, S.W.; and Hautley, Farnham Royal, Bucks.

1909.	WHITAKER, GILBERT
1908.	WHITAKER, JOHN WILLIAM
1900.	WHITE, DANIEL HUBERT
1909.	WHITE, D'ORSAY MCCALL
1907.	WHITE, EDWARD BERTRAM
1904.	WHITE, THOMAS HYLER
1904.	WHITE, WILLIAM ARTHUR
1899.	WHITEHEAD, JAMES PETER
1892. A. 1904. A.M.	WHITEHEAD, RICHARD DAVID
1899.	WHITEHOUSE, ALFRED
1904.	WHITEHOUSE, GEORGE HENRY
1907.	WHITELEY, HENRY STANLEY
1909.	WHITIE, ALEXANDER
1909.	WHITMEE, HAROLD BABINGTON
1908.	WHYTE, JARDINE BELL
1908. 1903.	(WIDDICOMBE, ROBERT ALEX-
1903.	WIDDICOMBE, ROBERT ALEX- ANDER
1903. 1900. G.) 1903. A.M.)	WIDDICOMBE, ROBERT ALEX- ANDER
1903. 1900. G.) 1903. A.M.)	WIDDICOMBE, ROBERT ALEX- ANDER WIDDOWSON, ERNEST LEED- HAM WIGGLESWORTH, FRANK
1903. 1900. G. 1903. A.M. 1898. 1908.	WIDDICOMBE, ROBERT ALEX- ANDER WIDDOWSON, ERNEST LEED- HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE
1903. 1900. G. 1903. A.M. 1898. 1908.	WIDDICOMBE, ROBERT ALEX- ANDER WIDDOWSON, ERNEST LEED- HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT
1903. 1900. G. 1903. A.M. 1898. 1908.	WIDDICOMBE, ROBERT ALEX- ANDER
1903. 1900. G. 1903. A.M. 1898. 1908.	WIDDICOMBE, ROBERT ALEX- ANDER WIDDOWSON, ERNEST LEED- HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT WILCOCKS, WILLIAM JOHN RICHARD WILCOX, JOHN GEORGE
1903. 1900. G. 1903. A.M. 1998. 1908. 1903. 1908. 1909.	WIDDICOMBE, ROBERT ALEX- ANDER WIDDOWSON, ERNEST LEED- HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT WILCOCKS, WILLIAM JOHN RICHARD WILCOX, JOHN GEORGE WILLOX, JOHN GEORGE WILLOX, BENJAMIN
1903. 1900. G.) 1903. A.M.) 1898. 1908. 1908. 1908. 1909. 1907. 1901. G.)	WIDDICOMBE, ROBERT ALEXANDER
1903. 1900. G. 1903. A.M. 1998. 1908. 1903. 1908. 1909.	WIDDICOMBE, ROBERT ALEXANDER
1903. 1900. G.) 1908. A.M.) 1898. 1908. 1903. 1909. 1907. 1901. G.) 1903. A.M.)	WIDDICOMBE, ROBERT ALEXANDER WIDDOWSON, ERNEST LEED-HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT WILCOCKS, WILLIAM JOHN RICHARD WILCOX, JOHN GEORGE WILD, BENJAMIN WILKINSON, FRANK
1903. 1900. G.) 1903. A.M.) 1898. 1908. 1908. 1908. 1909. 1907. 1901. G.) 1903. A.M.)	WIDDICOMBE, ROBERT ALEXANDER WIDDOWSON, ERNEST LEED-HAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT WILCOCKS, WILLIAM JOHN RICHARD WILCOX, JOHN GEORGE WILLO, BENJAMIN WILKINSON, FRANK WILLANS, CHARLES TURNER
1903. 1900. G.) 1903. A.M.) 1898. 1908. 1908. 1909. 1907. 1901. G.) 1903. A.M.) 1904.	WIDDICOMBE, ROBERT ALEXANDER WIDDOWSON, ERNEST LEEDHAM WIGGLESWORTH, FRANK WIGRAM, ARTHUR WOOLMORE WIGRAM, WALTER GOTT WILCOCKS, WILLIAM JOHN RICHARD WILCOX, JOHN GEORGE WILLO, BENJAMIN WILKINSON, FRANK WILLANS, CHARLES TURNER WILLANS, GEORGE HERBERT

Caucasus Copper Co., Batoum, South Russia. 27 Abinger Road, Bedford Park, W. 48 Sandmere Road, Clapham,

S.W. Messrs. D. Napier & Sons, Acton Vale, W.

P. O. Box 165, Pietermaritzburg, Natal.

2 Canterbury Road, West Croydon.

Fabrica del Gas, Casilla 18, Callao, Peru.

196 Deansgate, Manchester. Municipal Technical College, Green Hill, Derby.

Oasby Cottage, Friday Lane, Eastcote, Hampton-in-Arden, Birmingham.

Great Bridge Engineering Works, Tipton. Prospect Iron Works, Lockwood,

Huddersfield.
Station Superintendent, Borough
Council Electricity Department,
Lombard Road, Battersea,

S.W. P. O. Box 1591, Johannesburg, Transvaal.

Associated Transportation Co., Coalinga, Cal., U.S. 5552 Lakewood Avenue, Chicago, Ill., U.S.

Lightcliffe, Halifax.

Clutch Works, Moss St., Bradford.

Watling House, near St. Albans. Messrs. John Fowler & Co., Steam Plough Works, Leeds.

(85 Fulham Palace Rd., Hammersmith, W.

Manager, Calcutta Ice Association, 3 Gas St., Calcutta. 7 St. Stephen's Avenue, Bristol.

Boro' Eng. and Surveyor's Office, Wimbledon.

Messrs. Lynch Brothers, Ahwaz, Persia.

Superintendent's Office, Ottoman (Aidin) Railway, Smyrna Point, Smyrna, Turkey-in-Asia.

(c/o Mrs. Field, 28 Cardoza Rd., Holloway, N.

73 Queen Victoria St., E.C.

Messrs. Thomas Williams & Sons, Central Engineering Works, Aberystwyth.

1904.	WILLIAMS, CHARLES	Resident Engineer, Water Works Pumping Station, Blagdon, Bristol.
1904.	WILLIAMS, DANIEL	12 Blackburne Street, Liverpool.
1901.	WILLIAMS, DAVID THOMAS	(285 Broadway, Paterson, New Jersey, U.S.
1904.	WILLIAMS, EDWARD JOHN	8 Pretoria Terrace, Waltham Cross.
1905.	WILLIAMS, GEORGE BRANSBY	United Service Club, Calcutta.
1909.	WILLIAMS, JOHN EDGAR	Sudan Public Works Dept., Khartoum, Egypt.
1903.	WILLIAMS, JOHN ROBERT	Tramway Power Station, Kelham Island, Sheffield.
1898. G.) 1904. A.M.)	WILLIAMS, NORMAN CLARING-	102 Regent Street, W.
1901. G.	WILLIAMS, STANLEY VICTOR	123 Loughborough Rd., Brixton,
1907. A.M.		S.W. (Sir W. G. Armstrong, Whitworth &
1900. G.) 1904. A.M.)	WILLIAMS, VERNON INGRAM NORBURY	Co., Ashton Rd., Openshaw, Man- chester.
1900.	WILLIAMS, WALTER DOEL	Roman Gravels, Minsterley,
		Messrs. Manlove, Alliott & Co.,
1899.	WILLIAMSON, EDWARD	41-42 Parliament St., S.W. [Man-
		loves, London. 3405 Gerrard.] (Eng. and Surveyor, Town Hall,
1900.	WILLIS, EDWARD	Chiswick, W.
		Messrs. Willis & Son, High St., Eton, Windsor; and 'Nhlazatie,
1902.	WILLIS, GEORGE	Montem Rd., Slough. [Willis,
		Eton, Windsor. 3 Windsor.]
1904.	WILLIS, GEORGE OSWALD BELL	Messrs. Cammell, Laird & Co., Cyclops Steel and Iron Works,
2001.	Williams, Grander Collinson	Sheffield.
1905.	WILLMER, ERNEST EDWARD	Chief Eng., Darragh Spinning Mills Co., Quilon, Travancore,
1900.	WILLMER, ERNEST EDWARD	India.
1000	(WILLSTEED, CHARLES WESLEY,	Mechanical Training Establish-
1903.	R.N	ment, R.N. Barracks, Chatham.
1903.	WILSON, CHARLES AUGUSTUS	566 Barnsley Rd., Pitsmoor, Shef-
1898.	WILSON, DANIEL ELLIS	13 Freeland Rd., Ealing, W.
1910.	WILSON, DOUGLAS	Brier Cottage, Arthog Rd., Hale,
1010.	Willson, Douglas	Altrincham. (Messrs. Mosers, 178 Borough High
1903.	WILSON, FRANK	St., S.E.
1910.	WILSON, GEORGE	75 Eyre Street, Sheffield.
1909.	WILSON, HERBERT WILLIAM	Messrs. T. L. Miller, Wilson and Pegg, 709 Tower Bldgs., Water St., Liverpool.
1907.	WILSON, HOWARD STUART	West Indian Club, Howard Hotel,
2001.	TILISON, LIOWARD DIVARI	Norfolk St., Strand, W.C. (130 Marchmont Road, Edin-
1905.	Wilson, John	burgh.
1898.	Warran Town Country	Messrs. Guest & Chrimes, Rotherham; and Foston House, Don-
1090.	WILSON, JOHN CHARLES	caster Rd., Rotherham.
1902.	WILSON, LEONARD HERBERT	Mines Dept., Winchester House,
		Johannesburg, Transvaal.

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1905. G. 1910. A.M.	Wilson, Percy Hutchinson	Messrs. James Oakes & Co., Alfre- ton Iron Works, Riddings, Alfre- ton.
1901.	WILSON, RICHARD DAWES	2 Ennerdale Rd., Kew Gardens, Surrey.
1905.	WILSON, ROBERT WOOD	Messrs. Fullerton, Hodgart & Barclay, Vulcan Works, Paisley.
1906.	WILSON, THOMAS DANIA	31 Osborne Rd., Levenshulme, Manchester.
1904.	WILSON, WILLIAM BUXTON	Suptg. Eng., Penang Sugar Estates Co., Penang, Straits Settlements.
1908.	WILTON, JOHN DANIEL	Wilton's Engineering & Slipway Co., 2 West-Kousdijk, Rotterdam, Holland.
1906.	WILTON, LESLIE EDWARDS	Messrs. Davis, Bennett & Co., 94A Horseferry Rd., Westminster, S.W.
1908.	WILTON, WILLIAM	Managing Director, Wilton's Engineering and Slipway Co., Rotterdam, Holland.
1908.	WIMBUSH, HENRY LAWRENCE	Transvaal University College, Johannesburg, Transvaal.
1904. G. 1906. A.M.	WINCKWORTH, TREVOR EDWARD	Messrs. Spence & Son, Cork Street, Dublin.
1901. G.) 1903. A.M.	WINDSOR, ARTHUR WHALESBY	(241 Holmesdale Rd., South Norwood, S.E.
1908.	WISE, GEORGE MACDONALD	Taj Mahal Hotel, Fort, Bombay.
1902. G. 1904. A.M.	WISWALL, JOHN WILLIAM	Messrs. Chas. Howson & Co., 164 Regent Rd., Liverpool.
1907.	WITHERS, JOHN	Post Office, Blue Bonnets, Mon- treal, Canada.
1910.	Wolsey, William George	4 Clarendon Villas, Dovercourt, Harwich.
1902. G. 1903. A.M.	Wolstenholme, Walter	1 Golder's Green Crescent, Golder's Green, N.W.
1909.	Wood, Harry Arden	Swan Mill Co., Sewree Road, Sewree, Bombay.
1907. G.) 1910. A.M.	Wood, Herbert Langton	40 Kearsley Rd., Highfields, Sheffield.
1903.	Wood, Samuel	Sunnyside, Rhos Rd., Rhos-on-Sea, N. Wales.
1902. G.) 1905. A.M.	Wood, Wilfred Pimm	50A South St., Dorking.
1904.	Wood, William John Harvey	Station Supt., Bolton Corpn. Electricity Works, Bolton.
1901.	Woodger, Peter Bisset	19 Spring Gardens, Newark.
1905.	Woodhouse, Noel	66 Scotland Rd., Liverpool.
1900.	Woodhouse, William Brad-	Yorks. Electric Power Co., Thorn- hill, Dewsbury.
1903.	Woods, Harry	Grand Forks P.O., British Columbia.
1904.	Woodward, Augustus	71 Malvern Rd., Thornton Heath, Surrey.
1908.	WOODWARD, NOEL PARKER	Deptford Engineering Co., Rly. Works, High St., Deptford, S.E.
1903.	Wornum, John Ruskin	Otto Trechmann Ltd., Cement Works, Hartlepool.
1907.	Worsey, John Robert	Messrs. Tangyes, Cornwall Works, Soho, Birmingham.
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1900.	WRIGHT, ERNEST	••	St. Mary's Cottage, Waxwell Lane, Pinner, S.O., Middx.
1901.	WRIGHT, FRANK	••	National Physical Laboratory, Teddington, Middx.; and 19 St. Charles Sq., Kensington, W.
1905.	WRIGHT, FRANK	••	65 Drury Bldgs., 21 Water St., Liverpool.
1902. G.) 1906. A.M.	WRIGHT, FRANK CLAUDE	••	Robinson Deep G.M. Co., P.O. Box 1488, Johannesburg, Transvaal.
1903. G.) 1910. A.M.)	WRIGHT, FRANK THOMAS	••	Assist. Carr. & Wagon Supt., South Indian Rly. Co., Negapatam, Madras.
1910.	Wright, George	••	Works Manager, Messrs. Porter & Co., Gowt's Bridge Works, Lincoln.
1903.	WRIGHT, GEORGE ALFRED	••	Genl. Manager, Mn. My. Totok, Celebes, Dutch E. Indies.
1889. G.) 1895. A.M.	WRIGHT, HOWARD THEOPHIE	LUS	(110 High St., Marylebone, W. [Lurgigne, London. 8574 Gerrard.]
1900.	WRIGHT, ISAAC HENRY	*,	Messrs. Smith, Major & Stevens, Abbey Works, Northampton.
1900.	WRIGHT, RICHARD OLIVER		Henley's Telegraph Works, Gravesend.
1905.	WRIGHT, THOMAS GEORGE		45 South St., Wellington, Somerset.
1904.	WUNDERLICH, ADOLPH		14 Mayfield Rd., Sanderstead,
	·		Surrey.
1906.		des)	Elmhurst, Kimbolton Rd., Bedford.
1906.	WYATT, ARTHUR JAM	des }	
1906.	, '	}	Elmhurst, Kimbolton Rd., Bedford.  [Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield.
	( Hervey	}	Elmhurst, Kimbolton Rd., Bedford.  (Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. (Newby House, Heoldon Rd., Whit-
1901.	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL	}	Elmhurst, Kimbolton Rd., Bedford.  [Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield.
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.)	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE	}	Elmhurst, Kimbolton Rd., Bedford.  (Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. (Newby House, Heoldon Rd., Whitchurch, Cardiff. (Messrs. Forbes, Forbes, Campbell &
1901. 1904. 1900. G.) 1903. A.M.)	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport.
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.) 1910. A.M.)	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport. Thames Iron Works, Shipbuilding and Engineering Co., Canning
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.) 1906. 1903.	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN YORK, REGINALD STANLEY YOUATT, CLAUDE SEPTIMUS YOUNG, GEORGE ALBERT YOUNG, HENRY WILLIAM YOUNG, HENRY WILLIAM	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport. Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, E. Witney, Oxfordshire. 18 Russell Square, W.C.
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.) 1910. A.M.) 1906.	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN YORK, REGINALD STANLEY YOUATT, CLAUDE SEPTIMUS YOUNG, GEORGE ALBERT YOUNG, HENRY WILLIAM YOUNG, HENRY WILLIAM	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport. Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, E. Witney, Oxfordshire. 18 Russell Square, W.C. Messrs. David Rowan & Co., 231 Elliot St., Glasgow.
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.) 1906. 1903. 1906. 1900. 1907. G.)	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport. Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, E. Witney, Oxfordshire. 18 Russell Square, W.C. Messrs. David Rowan & Co., 231 Elliot St., Glasgow. Messrs. H. Young & Co., Nine
1901. 1904. 1900. G.) 1903. A.M.) 1906. G.) 1906. 1903. 1906. 1907. G.) 1910. A.M.)	YARDLEY, WILLIAM HENRY YATES, ALFRED TUFNELL YATES, DONALD RUSSE MARTIN YORK, REGINALD STANLEY YOUATT, CLAUDE SEPTIMUS YOUNG, GEORGE ALBERT YOUNG, HENRY WILLIAM YOUNG, HENRY WILLIAM YOUNG, HENRY WILSON YOUNG, JOHN GRAHAM YOUNG, PERCY LOT	}	Elmhurst, Kimbolton Rd., Bedford.  Messrs. Princeps & Co., Princeps Works, Matilda St., Sheffield. Newby House, Heoldon Rd., Whitchurch, Cardiff. Messrs. Forbes, Forbes, Campbell & Co., Bombay.  21 Regent Square, Doncaster. Beechville, Thorn Rd., Bramhall, Stockport. Thames Iron Works, Shipbuilding and Engineering Co., Canning Town, E. Witney, Oxfordshire. 18 Russell Square, W.C. Messrs. David Rowan & Co., 231 Elliot St., Glasgow.

Date

# ASSOCIATES.

e of Electio	n. [A. I. Mech. E.]
1880.	ALLEN, WILLIAM EDGAR, [Imperial Steel Works, Tinsley, Litt.D Sheffield.
1889.	BARR, JOHN {The Glenfield Engineering Works, Kilmarnock.
1892.	BOWMAN, FREDERIC HUNGER- FORD, D.Sc., F.R.S.E 4 Albert Sq., Manchester.
1902.	{Chandabhoy, Shapoorjee} Apollo St., Fort, Bombay.
1888.	CHRIMES, CHARLES EDWARD Brass Works, Rotherham.
1895.	DOCKER, FRANK DUDLEY Birmingham Varnish Works, Icknield Port Rd., Birmingham [Japan, Birmingham. 3522.]; and The Gables, Kenilworth.
1899.	Douglas, Loudon McQueen Douglas Wharf, Putney, S.W. [Ibidem, London. 242 Battersea.]
1898.	Dowlen, Walton Edward 54 Rue Pierre Charron, Paris.
1900.	FEATHER, ROBERT
1891.	FOSTER, GEORGE Sheffield; and Regis Villa, Hall Rd., Rotherham.
1889.	GOLBY, FREDERICK WILLIAM 36 Chancery Lane, W.C.
1900.	GOODRICH, WALTER FRANCIS Clock House, Arundel St., Strand, W.C.
1902.	GRIERSON, HENRY FORSTER Caxton House, Tothill St., Westminster, S.W.
1909.	Guest, Edward Graham, Messrs. McVitie, Guest & Co., 136 F.R.S.E. Princes St., Edinburgh.
1891.	JACKMAN, JOSEPH Persberg Steel Works, Attercliffe Common, Sheffield. [Persberg, Sheffield. 94.]
1884.	Jackson, Edward (Genl. Manager, Midland Railway-Carriage and Wagon Works, Birmingham. [Wagon, Birmingham.]
1897.	JAMES, ALBERT ALFRED St. George's Works, Paradise St., West Bromwich. [James, Wireworks, West Bromwich. 5014.]

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1896.	Kennan, Williams Thomas {Messrs. Kennan & Sons, Fishamble St., Dublin. [Kennans, Dublin.] {Kilburn, Bertram Edward {Chancery Lane Station Chbrs.,
1907.	DUNBAR High Holborn, W.C.
1896.	King, Benjamin Thomas \{ 165 Queen Victoria St., E.C. \ [Geologic, London. 682 Central.]
1898.	LEECHMAN, GEORGE DOUGLAS (2 Harcourt Bldgs., Middle Temple Lane, Temple, E.C.
1896.	Lemkes, Carl Rudolf Lewin Messrs. Schäffer & Budenberg, 5 Wellington St., Glasgow. Injector, Glasgow. Royal 3119.] (Chamber of Commerce Bldg., 3
1900.	LEONABD, ROBERT MAYNARD Oxford Court, Cannon St., E.C. [Lenoxfocot, London. 9255] London Wall.]
1895. 1886.	MacBrayne, Laurence 11 Park Circus Place, Glasgow. MacKenzie, Keith Ronald Vectis, Bembridge, Isle of Wight.
1889.	McKinnel, William (Messrs. S. Osborn & Co., Clyde Steel and Iron Works, Sheffield.
1898.	MARSHALL, PERCIVAL 26-29 Poppins Court, Fleet St., E.C.
1868.	MATTHEWS, THOMAS BRIGHT Phoenix Steel Works, Sheffield.
1901.	MAYHEW, LtColonel MARK Bookhams, Churt, Surrey.
1890.	MEGGITT, SAMUEL NEWTON { Messrs. Ibbotson Brothers & Co., Globe Steel Works, Sheffield.
1902.	Noyes, Edward 109 Pitt St., Sydney, N.S.W.
1900.	PAGE, DAVIDGE Hillside, Buntingford, Herts.
1886.	Peacock, William J. P {Wells St., Oxford St., W.; and 41 St. James' St., S.W.
1888.	Peake, Robert Cecil {Cumberland House, Redbourn, St. Albans.
1887. 1887.	PEECH, HENRY 15 Victoria St., Westminster, S.W. PEECH, WILLIAM HENRY 15 Victoria St., Westminster, S.W.
1884.	PHILLIPS, RICHARD MORGAN (c/o J. Griffin, 6 Algiers Rd., Lady- (Life Associate) well, S.E.
1891.	PLANT, GEORGE 242 Rotton Park Rd., Birmingham.  Eagle Range and Foundry Co., Catherine St., Aston, Birming-
1897.	PRIOR, JAMES D ham [Ranges, Birmingham. 2558.]; and Roborough, Anderton Park Rd., Moseley, Birmingham.
1891.	ROWCLIFFE, WILLIAM CHARLES 1 Bedford Row, W.C.
1899.	Sachs, Edwin Otho 7 Waterloo Place, Pall Mall, S.W.
1900.	SALOMONS, Sir DAVID LIONEL GOLDSMID-STERN, Bart Broombill, Tunbridge Wells.

1887.	SCOTT, WALTER	(Victoria Chbrs., Grainger St. West, Newcastle-on-Tyne. [Contractor, Newcastle-on-Tyne.]
1909.	SEIFEDDIN, H.R.H. PRINCE	(c/o Vice-Admiral Ahmed Pasha, P.O. Box 18, British Post Office, Constantinople.
1893.	SIMPSON, EDWARD PERCY	101 Grosvenor Rd., Pimlico, S.W.
1891.	SPENCER, FRANCIS HENRY	(c/o Standard Bank of S. Africa, 10 Clements Lane, E.C.
1892.	STEAD, JOHN EDWARD, F.R.S.	(11 Queen's Terrace, Middlesbrough. [Stead, Middlesbrough.]
1896.	Taylor, Joseph Henry	{9 and 11 Fenchurch Avenue, E.C. [Tyne, London. Avenue 4108.]
		(Wardrobe Chbrs., 146A Queen
1893.	WADHAM, ARTHUR	Victoria St., E.C. [Wadham, London.]
1897.	Wallach, Lewis Charles	1 Clarges St., Piccadilly, W.
1898.	WARNER, ASHBY WILLIAM	Norton, Stockton-on-Tees.
1883.	WILLIAMSON, ROBERT S	Cannock and Rugeley Collieries, Hednesford, Stafford.
1891.	Wenners Enger	Messrs. E. Wiseman & Co., Silver
1991.	WISEMAN, EDMUND	St., Luton; and Uplands, London Rd., Luton. [Wiseman, Luton.]
1897.	WOOD, WILLIAM ALFRED	[42 Spring Gardens, Manchester. [Certificate, Manchester.]
1910.	WYNESS, JAMES PETER	6 Mangoe Lane, Calcutta, India.
1899.	Young, John Drummond	Managing Director, Scottish Boiler Insurance Co., 111 Union St., Glasgow. [Inspector, Glasgow. 1271.]

# GRADUATES.

# [G. I. Mech. E.]

Date	e of Election.			
	1907. 1910. 1909. 1885.	Adamson, Wilfrid	••	4 Foregate St., Worcester. 31 Fernhead Rd., Paddington, W. Anston Vicarage, near Sheffield. Ajmere, Rajputana, India.
	1907.	AIREY, JOHN		Pension Friedeck, 27 Universitäts Strasse, Zürich, Switzerland.
	1906. 1907.	A session T. session		7 Park Rd., Dartford. 1 Dudley Avenue, Leith, Edinburgh.
	1905.	ALGAR, STANLEY CURTIS	••	The Ferns, High Rd., Willesden, N.W.
	1909.	ALLAN, CHARLES JOSEPH	• •	Strathcarron, Denison St., Rock-hampton, Queensland.
	1909.	ALLCUT, EDGAR ALFRED		32 St. Matthew's Rd., Smethwick, Birmingham.
	1910.	ALLEN, GEORGE HENRY		4 Hythe Rd., Willesden, N.W.
	1909.	ALLEN, WILFRID		(c/o Mrs. Pavey, 16 Meridian Place, Clifton, Bristol.
	1910.	ALLINSON, GEORGE LESLIE		40, Newbold Road, Rugby.
	1906.			Holmhurst, Sutton, Surrey.
	1910.	Anant, Singh		19 Clovelly Rd., Hornsey, N.
	1905.	Andreadis, Angel Isidore		Salvago Industrial School, Chatby, Alexandria, Egypt.
	1907.	Andrews, Herbert		Huntspill Farm, Highbridge, R.S.O., Somersetshire.
	1910.	ANGELIS, MARIO DE		22 Via Pietro Cavallini, Rome, Italy.
	1907.	Ansell, Arthur Molloy	••	Messrs. Ansell & Sons, Toong P.O. Darjeeling Himalayan Rly., Bengal.
	1908.	ARMITAGE, HERBERT CYRIL	• •	45 The Crescent, Salford, Man- chester.
	1908.	ARROWSMITH, BERNARD LOU	IS	Rhodes Bldgs., Christchurch, New Zealand.
	1908.	ASHMORE, JOHN ALFRED		Park Terrace, Blackwell, Alfreton.
	1909.	A TT T		104 Mortlake Rd., Ilford. (Loco. Dept., Compañia del Ferro-
	1903.	Aston, Reginald Godfrey		carril de Tehuantepec, Rincon Antonio, Oax., Mexico.
	1902.	ATKINSON, REGINALD CHARLE	18	3 Burton Street, Loughborough.
	1910.	ATTACK, ARTHUR MARSHALL.		Ferndale, Wantage Rd., Reading.
	1907.	ATTENBOROUGH, ERNEST JOH	N	Midhurst, Thorncliffe Rd., Notting-
	1904.	AYKROYD, JOHN KENNETH	• •	Durlston, Corfton Rd., Ealing, W.
	1907.	BAILEY, DAVID EDWARD		(Messrs. Johnson & Phillips, Victoria Rd., Old Charlton, Kent.
	1907.	BALDWIN, FREDERICK JOHN .		Athelney, Marlborough Lane, Bath.
	1906.	The Till The		Herrington, Torquay.
	1910.	Disease Torre Merconone		Glenthorne, Wake Green Rd., Moseley, Birmingham.

1905.	BANERJI, RABINDRA NATH	(Tellery Concern, Kudra (E.I. Rly.), Sahabad Dist., Behar, India.
1906.	Barnard, Alfred George	277 Walton Breck Rd., Anfield, Liverpool.
1910. 1907.	Barnes, Eric Earle Barnes, Joseph James	19 Gainsborough Rd., Crewe. 7 Marine Place, Dover.
1901.	BARNWELL, ELIOTT ARTHUR	10 Nicosia Rd., Wandsworth
1907.	BARR, HAROLD FLEMYNG	Common, S.W.  Ashleigh, Summer Hill, Gainsborough.
1906.	BARRINGTON, THOMAS BAR-	
1909.	BARRINGTON-BAKER, MONTAGU	(Faraday House, Southampton Row,
1902.	BARRY, LAWRENCE CATER	W.C. The Firs, Partlands Avenue, Ryde.
1910.	BASKERVILLE, ROBERT HENRY	71 Ducie Grove, Whitworth Park, Manchester.
1909.	BATES, WILLIAM RESTON	56 Blenheim Gardens, Willesden Green, N.W.
1910.	BATTA, WALI CHAND	The University, Bristol.
1910.	BAYLEY, VERNON	16 Cambridge Rd., Southport.
1909.	BEAN, CUTHBERT ALEXANDER STILLINGFLEET	191 The Grove, Goldhawk Road, Hammersmith, W.
1905.	BEATSON, ARCHIBALD MEADE	36 Gloucester House, Bishopsgate, E.C.
1908.	BECKE, CHARLES ROBERT	Wootton Hall, Wootton, North- ampton.
1884.	BELL, ROBERT ARTHUR	116 Worple Rd., Wimbledon.
1906.	BELLAMY, CHARLES GLYNN HUGHES	
1902.	BENNETT, HENRY BENJAMIN	Esplanade Sub-station, Princess St., Bombay.
1908.	BENTALL, ANTHONY FRANK	82 Erlanger Rd., New Cross Gate, S.E.
1909.	BENTLEY, WALTER OWEN	80 Avenue Rd., Regent's Park, N.W.
1910.	BETTERTON, WALTER	(Feckenham Road, Astwood Bank, Redditch.
1907.	BINGHAM - GADD, WILLIAM ERIC	7 Lansdowne Square, Rosherville, Gravesend.
1907.	BIRD, HAROLD HUGHES	Engineer's Office, W. Division, Mid. Rly., Cavendish House, Derby.
1908. 1905.	BIRD, PERCY CARR	20 Bedford Street, Strand, W.C. Lightoaks, Oakamoor, Staffs.
1908.	BOUSFIELD, REGINALD MICHAEL	Claremont Villa, Leamington.
1910.	BRADLEY, ARTHUR PERCY	40 Gloucester St., S.W.
1907.	BRAMWELL, ERNEST CHARLES	13 Forster St., Gainsborough. (National Physical Laboratory,
1911.	Bramwell, Francis Herbert	Bushy House, Teddington, Middlesex.
1903.	Brand, William Deane	17 North Side, Clapham Common, S.W.
1908.	Brander, James	62 Haverstock Rd., Knowle, Bristol.
1906.	Bremner, Allan James	{19 Parliament Hill, Hampstead, N.W.
1887.	Bremner, Bruce Laing	Assist. Loco. Supt., Uganda Rly., Mombasa.
1905.	Bressey, Sydney Francis	Departamento Traccion, Caballito F.C.O., Buenos Aires, Acg. R. 2.

1910.	BRIGGS, JOHN COCKBAIN	Engineer's Office, Gas Department, Workington.
1904.	Briggs, Richard John Perci-	
1911.		Ingram House, Stockwell Road, S.W.
1908.	BRINTON, LANCELOT KNIGHT	7 Burlington Avenue, Kew Gardens, S.W.
1909.	BROMWICH, BERNARD ALFRED	49 Chisholme Road, Addiscombe, Croydon.
1907.	Brown, Ernest William	Victoria Iron Works, Leighton Buzzard.
1909.	Brown, Frederick Arthur	Loton House, 138 Ruskin Road,
1909.	Browne, John Lovell	Crewe. 16 Cecile Park, Crouch End, N.
1905.	Brückmann, Otto James	Dronley, Woodside Park Rd., N. Finchley, N.
1907.	BRUCKSHAW, HERBERT STAN-	13 Russell St., Bolton.
1902.		Messrs. G. Brunton & Son, Cochin, Malabar Coast, India.
1910.	BUCKTON, ARTHUR SCOTT	Bleak House, 69 Hampton Rd., Forest Gate, E.
1905.	BUCKTON, ERNEST JAMES	Engineer's Office, West India Docks, E.
1910.	BUDDEN, GARETH WALTON	26 Netherhall Gardens, South Hampstead, N.W.
1907.	BULLWINKLE, GEORGE ROYALL	76 Maury Rd., Stoke Newington, N.
1909.	Bumpus, Frank Arnold	2 Herrick Rd., Loughborough.
1903. 1909.	Burdock, Arthur Burge, Frederic	Bannister's Hotel, Southampton. Northwood, Herne, Canterbury.
		Sales Dept., British Westinghouse
1909.	BURKE, WILLIAM KENNETH	Co., Trafford Park, Manchester.
1904. 1906.	Bussey, Lionel Ernest Butler, Stanley Gordon	65 Sandmere Rd., Clapham, S.W. 17 John St., Bedford Row, W.C.
1905.	Butterworth, Joseph	24 Baldovan Terrace, Roundhay Rd., Leeds.
1907.	Cannon, Alfred Edward	Worthing Motor Services, Worthing
1000	G 1	ing. (Longai Valley Tea Co., Chandkhira,
1906.	CAPE, ASHBY	Sylhet, India. The Vicarage, Etruria, Stoke-on-
1910.	CARTER, KENNETH ARNOLD	Trent.
1910.	CARTER, STANLEY CYRIL	Burnage, The Avenue, Sydenham, S.E.
1907.	CARTLAND, ROBERT JAMES	Buckingham Ville, Quetta, Baluchistan, India.
1905.	CARTWRIGHT, AUBREY CHARLES MATTHEWS	Messrs. Walker & Greig, Wallaha, Lindula, Ceylon.
1891.	CASWELL, CHARLES HENRY	75 Mount Pleasant, Barrow-in- Furness.
1908.	CHASTER, CLIFFORD STILWELL	14 Woburn Square, W.C.
1909.	CHETTLE, NORMAN	(The School House, Salford Priors, Evesham.
1908.	CHILD, HERBERT WILLIAM	112 Durants Rd., Ponders End, Middx.
1908.	CHILDS, JAMES	53 Storey Sq., Barrow-in-Furness.

1908.	CLARKE, GEORGE PULESTON	11 Somerset Place, Stoke, Devon-
1908.	CLAUSEN, HUGH	Siemens Bros., Dynamo Works, Stafford.
1907.	CLAYTON, HARVEY	1 Delamere St., Openshaw, Man- chester.
1907.	{CLUTTERBUCK, HERBERT CHARLES	44 Palace Grove, Bromley, Kent.
1908. 1907. 1905. 1904. 1892.	COCKROFT, HENRY OGDEN COLE, DONALD BRAITHWAITE COLE, THOMAS STEPHENSON COLLEY, ROBERT WILLIAM COLLINGRIDGE, HARVEY	69 Mill Hill Rd., Acton, W. 23 Clinton Rd., Mile End, E. 17 Mattock Lane, Ealing, W. Turf Club, Cairo, Egypt. Auburn, Denville, Havant.
1907.	COLLINS, CLAUDE AUGUSTUS	4 Mayfair Gardens, The Avenue, Loughton, Essex.
1906. 1909.	COLLITT, SYDNEY COOK, FREDERICK WILLIAM	79 Eastbourne Tce., Gainsborough. 75 Eastbourne Tce., Gainsborough.
1889.	Cook, George Norcliffe	Messrs. Thos. Firth & Sons, Norfolk Works, Sheffield.
1908.	Cooke, Alfred Lewis	6 Grange Road, West Hartlepool.
1910.		Faraday House, Southampton Row, W.C.
1908. 1908.	COOPER, THOMAS	38 Regent St., Derby. 4 Douglas Ave., Wembley, Middx.
1910.	{CORBEN, WILFRID GEORGE AYLING	4 Plover St., Deepdale, Preston.
1909.	CORKERY, ALBERT THOMAS	Sherbrooke Lodge, 3 Acre Lane, Brixton, S.W.
1910. 1906.	COVENTRY, HENRY JAMES COVIL, ROBERT PERCY	13 Lady Margaret Rd., Southall. Port Alberni, British Columbia.
1907. 1906.	CRICHTON, JOHN ARTHUR CROFT, CYRIL MURTON	3 Buckingham Gate, S.W. 9 Amerland Rd., West Hill, S.W.
1905.	CROUCH, HENRY	New Horley Motor and Engineering Co., Balcombe Road, Horley.
1907.	CBOW, SYDNEY HOLBROOK	5 Nottingham Rd., Bramley Hill, Croydon.
1907. 1907.	CULLY, WILLIAM FREDERICK CUNNINGHAM, FRANK LEONARD	22 Lorne Rd., Forest Gate, E. 60 Milton Park, Highgate, N.
1907.	{CURD, THOMAS WALTER CHRIS-}	96 Cromwell Avenue, Highgate, N.
1909.	CURRALL, EDWARD PERCY	(Hampton Road, Solihull, Birming- ham.
1908.	CURRY, ANGUS DOWNES MATHWIN	The Vicarage, Wheatley, S.O., Oxon.
1906.	CURTIS, VLADIMIR	c/o Bank of Montreal, Victoria, B.C.
1910.	DALKIN, GEORGE ROBERT	27 Windsor Terrace, Darlington.
1905.	DALLOW, WALKER HORTON	Heathfield, Ashton-on-Mersey, Sale, Cheshire.
1907.	Daniels, Wilfrid	149 Devonshire Rd., Pendleton, Manchester.
1907.	DARBY, JAMES KIDSON	Permanent Way Engineer's Office, Sovereign St., Leeds.
1905.	Davies, John Ernest	Morro Velho, Villa Nova de Lima, Estado de Minas, Brazil.
1910.	Davies, Rhys	c/o C. J. Davies, Higheroft, Montreal West, Canada.

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1907.	DAVIES, ROLAND LENNOX (T)	he Woodlands, Rectory Lane, Tooting, S.W.
1907.	DAVY, EDWARD VINICOMBE 10	1 Marlow Rd., Anerley, S.E.
1911.	DAWSON, HERBERT PERCY {Re	othbury, Stow Park, Newport,
1011.		Mon. ritish Thomson-Houston Co.,
1907.	DAY, HORACE CARDWELL {	Rugby.
1909.	DAY-LEWIS, GEORGE HOLMES	nglo-Chilian Nitrate & Rly. Co., Tocopilla, Chile.
1909.	De Aguirre, Olyntho Conto $\left\{^{\mathbf{M}} ight.$	essrs. Frost, Fell & Co., 181 Queen Victoria St., E.C.
1909.		King's Avenue, Ealing, W.
1910. 1908.		East India Rd., E.
	(0)	2 High St., Fulham, S.W. entral Technical College, Exhibi-
1909.	DEWIDAN, MOHAMED I CAD	tion Rd., S.W.
1910. 1907.	DIAMOND, JAMES FREDERICK 52 DICK, FRANK MACKENZIE 11	Baker St., Luton. Lindum Terrace, Rotherham.
1884.	(W	estalla, Riversleigh Avenue,
	DIXON, JOHN	Lytham.
1910.		he Whist, Ashford, Kent.
1907.		es. Engr's. Office, Harbour Extension Wks., Buckie, Banffshire.
1908.		Overcliffe, Gravesend.
1909.	{Douton, Frederic Charles} 69	St. Paul's Road, Peterborough.
1908.		89 Argyle St., Glasgow.
1891.	Duncan, Martin Gordon $\{^{\text{L}_{i}}$	exden, 63 Elmfield Rd., Upper Tooting, S.W.
1903.	Dunell, Basil ${}^{24}$	Avonmore Rd., West Kensington, W.
1909.	DWYER, DAVID ANTHONY OR	akfield, Sidcup Hill, Sidcup, Kent.
1909.	TARRE ALICE CECTE 2	St. Margaret's Terrace, Ilkley.
	(E	gerton House, 90 Alexandra Rd.,
1910.	EATON, ALFRED HENRY	Wimbledon Park, S.W.
1908.	EDEN, CHRISTOPHER GABRIEL	dgemoor, Highfields Rd., Northwood, S.O., Middlesex.
1905.		Old Park Avenue, Balham, S.W.
1905.		asnawa, Kegalle, Ceylon. lub des Ecoles Supérieures, Cairo,
1910.	EID, ABD-EL FAKAH	Egypt.
1909.	{ELLIS, CHARLES GEORGE 13	Bristol Terrace, Newcastle-on- Tyne.
1910.	ELLIS, HERBERT DUDLEY {20	Princes Avenue, Old Trafford,
1910.		Manchester. ak Lee, Ellesmere Port, Chester.
	(Free Tarre Charge Sm Tour)	
1909.	B.A	Botanic Avenue, Belfast.
1904.	ENGERT, FREDRICK PERCY {	Cambridge Villas, Richmond Rd. East, Twickenham.
1904.	ENGHOLM, FRANK GOLDIN	Manor Gdns., Larkhall Rise, Clapham, S.W.
1908.	Essery, Thomas Henry ${}^{M}$	unicipal Technical School, Suffolk St., Birmingham.
1909.	Evans, Albert Leonard (Co	oniston, 28 Mount Ephraim Lane, Streatham, S.W.

200	OI Electi	ou.	
	1909.	Evans, Mervyn Daniel	154 Abbey Rd., Barrow-in-Furness.
	1909.	EVERETT, EDWIN JOHN	(c/o J. Byron-Dolphin, 3 Avenue de
		EUSTACE	Hêtre, Sclessin-Liége, Belgium. (Mertonholme, Wickham Road,
	1904.	DON	Beckenham.
	1907.	EWART, JOSEPH MURRELL	31 Rivington Road, Egremont,
	1001.	EWARI, JOSEPH MURRELL	Cheshire.
	1907.	(FANGHANEL, WALTER PAUL)	Ravendale, East Acton, W.
	1908.	FREDERICK	
	1904.	FEDDEN, ALFRED HUBERT ROY FEENY, CYRIL JOSEPH	Fern Hill, Henbury, Bristol. 60 Queen Victoria St., E.C.
	1908.	FENTON, COLIN STANLEY	sc/o Wm. C. Fenton, 10 Paradise
	1909.		Square, Sheffield.
		FERGUSON, DONALD HARRY	18 Milton Road, Swindon. (Injeniero 3°, Circulo Naval, Valpa-
	1907.	FERGUSON, JOHN HENDERSON	raiso, Chile.
	1902.	FIFE, FRANK GORDON	Elswick Works, Newcastle-on-Tyne.
	1906.	Fish, John Blair	Messrs. Jessop & Co., Calcutta. Glencairn, Chase Green Avenue,
	1910.	FLYNN, ARTHUR EDWARD	Enfield, Middlesex.
	1904.	FOOTE, THOMAS DICKSON	Gambles House, Antigua, West Indies.
	1906.	FORBES, ARTHUR	7 Sistova Road, Balham, S.W.
	1910.	FORREST, HUBERT	Technical School, Guildhall, Bath.
	1911.	FORSYTH, WILLIAM JAMES	6 Laurel Road, Barnes, S.W. (5 Park Square West, Regent's
	1907.	Fowler, Charles Henry	Park, N.W.
	1910.	Fox, Charles Woodward	Callender's Cable and Construction Co., Belvedere, Kent.
	1910.	FRANCE, WILLIAM HENRY	31 Ramsden Dock Road, Barrow-
	1004	(FRASER, STAFFORD ROBERT	in-Furness.
	1904.	CHARLES	F.C.B.A.P., Junin, Arg. Rep.
	1906.	FRIEND, ERNEST JOHN	27 Park Parade, Harlesden, N.W.
	1906.	FRY, FRANCIS EDWARD	Randfontein Central G.M. Co., P.O. Box 23, Randfontein, Transvaal.
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			(10 Park Avenue, Gorton, Man-
	1905.	GAMBLE, STUART ARTHUR	chester.
	1907.	GARDINER, KENNETH JOHN	Mount Edgecombe, Red Hill.
	1910.	GARNER, HARRY MILLS	Weddington, Sutton, Surrey.
	1909.	GIBSON, HARRY FREDERIC HIGGINS	Governor's House, H.M.P., Swan-sea.
	1909.	GIBSON, KARL JOCELYN	Highfield House, Church Road,
	1907.	GIFFARD, GORDON CARMICHAEL	Moseley, Birmingham. 24 Windlesham Rd., Brighton.
	1909.		Brooklyn, 126 Dora Rd., Wimble-
	1907.	GLEDHILL, GILBERT	don Park, S.W. Dersingham, Greenroyd, Halifax.
	1910.	GLOVER, RONALD BROWN	Olive Mount, St. Ann's, St. Helens,
	1909.	Copping Wasses Co	Stretton, Weeley Heath, Weeley,
		GODDARD, WILLIAM CORY	Essex.
	1908.	GODFREY, HENRY RONALD	North Lodge, Holders Hill, Hendon, N.W.

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1908.	GOODALL, HARRY DAVID Box 132, Heward, Sask, Canada.
1907.	GOODYEAR, DICK CLAUDE South Essex Water Works, Romford.
1906.	Gordon, Hamilton Royal, Milford, Godalming.
1908.	GORT, ALBERT HENRY 1 Princes Road, Felixstowe.
1910. 1907.	Graham, Jack Curtis Wyecliffe, Dinas Powis, Cardiff.
1910.	Graham, Roland Fussell 30 Elm Grove Rd., Barnes, S.W.
1907.	GRAHAM-JONES, EDWARD The Rectory Sanderstead Surrey
1905.	GRAVELY, FRANK VERNON Greenfields, Newick, Sussex.
1907.	Gray, William Henderson (Hollywood, Crescent Rd., Brockley, S.E.
1906.	GREEN, CHARLES WILLIAM COMESSING GRINDLES GRINDL
1907.	GREEN, GEORGE WILFRID 39 Park Road, Rugby.
1910. 1906.	Greenway, Noel Wilson Sutton-at-Hone, Dartford. Greenway, Noel Wilson 109 Park Rd., Wallsend-on-Tyne.
1909.	GREW FRANK HOWARD (Elliott's Metal Co., Selly Oak
1906.	GRIFFITHS, ROYSTON SWIRE Bank House, Llanelly.
1907.	GROOM, STANLEY 17 Grantham Rd., Clapham, S.W.
1909.	GROUNDWATER, WILLIAM Rising Sun Petroleum Co., Yoko- CHARLES PURVIS hama, Japan.
1906.	GROVES, CLARENCE EDGAR Messrs. J. & B. Groves, Lawson St., Great Dover St., S.E.
1909.	GUTHRIE, ALEXANDER GORDON 49 Park Road, Dartford.
1906.	GUY, HENRY LEWIS (74 Humphreys St., Old Trafford, Manchester.
	· ·
1906.	HAAN, PETER DE Messrs. Ruston, Proctor & Co., Via
1905.	HAILE, WALTER HENRY {Thames Conservancy, 2 and 3 Norfolk St., Strand, W.C.
1910.	Hall, Gilbert Sudbury \ \ 7 Herbert St., Whitworth Park, Manchester.
1908.	Hamilton, Harry Nottingham Terrace, 431 Eccles New Rd., Weaste, Manchester.
1905.	Hanford, Rupert (Messrs. Bayliss, Jones & Bayliss, Victoria Works, Wolverhampton.
1904.	HARRIS, ALBERT EDWARD 5 Etta Street, New Cross, S.E.
1908. 1908.	HARRIS, COLIN HARMAN The Limes, Coventry Road, Ilford. HARTREE, RAYMOND Havering, Tunbridge Wells.
	(HASELGROVE WILLIAM)
1908.	HAROLD
1909.	HATCH, WILLIAM ASHTON ( castle-on-Tyne.
1908.	HAYES, MORGAN WILFRID \{81 Waverley Rd., Southsea, Portsmouth.
1907. 1906.	Hazzi, Joseph Alexander Aswan Reservoir, Aswan, Egypt. Head, George Burges Digby 99 Clive St., Calcutta, India.
1905.	HEARN, ERNEST WILLIAM Borough Surveyor's Office, Tam-
1907. 1908.	Heath, John 19 Gloucester St., Coventry. Henderson, Harold Robert Hughenden, Perth.

1907.	HENRIQUES, PHILIP QUIXANO	Messrs. J. H. Wilson & Co., Dock Road, Seacombe, Birkenhead.
1909.	HENRIQUES, WILFRID QUIXANO	Messrs. John H. Wilson & Co., Birkenhead.
1907.	HEPPELL, SIDNEY KIRKNESS	Kingslon, Cwmaman, Aberdare.
1907.	(HERIOT, CHARLES ADRIAN	(c/o British Bank of S. America,
1906.	MAITLAND	Buenos Aires, Arg. Rep. 12 Rue Haut Port, Gand, Belgium.
1910.	HIDE, WALTER DANIEL ,.	81 Trafalgar St., Brighton.
1910.		Ozonair Ltd., 96 Victoria St.,
1911.	HILL, ARTHUR TRENCHARD	Westminster, S.W. West Surrey Water Works, Walton Bridge, Walton-on-Thames.
1906.	HILL, FREDERICK ARTHUR	Montague Place, Kemp Town, Brighton.
1909.	HILL, FREDERICK THOMAS	6 West View, Portland Rd., Wyke Regis, Weymouth.
1907.	HILLER, LIONEL	75 Lindley St., York.
1905.	HILLHOUSE, JOHN PATON	Calthorpe Motor Co., Cherrywood Rd., Bordesley Green, Birming- ham.
1908.	HITCHCOCK, GEOFFREY Ed-	Royal Engineers (S.R.), Officers Mess, Brompton Barracks, Chatham.
1904.	Hodgson, Harold Cecil	Mansion House Chbrs., 20 Buck-
1891.	HODGSON, WILLIAM JAMES	lersbury, E.C. WesleySt., Carrington, Nottingham.
1906.	Hodson, Fred	Carno Reservoir, Beaufort, S.O., Breconshire.
1903.	Hodson, Reginald Cecil	3472 West Green Rd., South Totten-
1887.	TT . TIT	ham, N.
		Fintragh, Shrewsbury Rd., Dublin. (Tech. Dept., Vacuum Oil Co., Box
1905.	Hollingsworth, Frederick	685, Cape Town, Cape Colony.
1907.	Hollingsworth, John Gordon	35 & 36 Bedford St., Strand, W.C.
1905.	HOLLOWAY, FRANK HERBERT	19 Cedars Rd., Clapham Common, S.W.
1903.	HOLTHOUSE, CHARLES SCRAF-	6 Devonshire St., Portland Place, W.
1908.	HOOPER, WILLIAM FREDERICK	Adams Manufacturing Co., Elstow Road, Bedford.
1907.	Hopkinson, Arthur	Sheepbridge Coal & Iron Co., Chesterfield.
1889.	Howard, Geoffrey	Britannia Iron Works, Bedford.
1883.	Howard, Harry James	Messrs. Colman's Mustard Mills, Carrow Works, Norwich.
1903.	Howard, Percy	Long View, Warren Rd., Bexley Heath, S.O., Kent.
1909.	Howarth, John	(50 Middleton Road, Hopwood, Heywood.
1907.	HUBBLE, ARTHUR WILLIAM	Wyndham Lodge, Heathfield Rd., Mill Hill Park, W.
1903.	HUGHES, FREDERICK	Water Works Engineer's Office, City Hall, Cardiff.
1904.	Hughes, Frederick Peter	Heathfield, Priory Lane, Black- heath, S.E.
1907.	HUGHES, STANLEY CHESTER	Chesterfield, 4 Prince's Rd., Wimbledon.
1907.	HUGHES, WALTER ERNEST	4 Princes Rd., Wimbledon.

Date	of	Election.

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1907.	Hull, John Francis	76 Brunswick St., Sheffield.
1909.	HUMBLE, GEORGE CRASTER	48 Flanders Rd., Bedford Park, Chiswick, W.
1907.	HUMM, GEORGE HERBERT	6 Tithe Barn Rd., Stafford.
1907.	Humphreys, Henry	16 Glentham Road, Barnes, S.W. (Cotsford, Uplands Park, Enfield,
1909.	HUNT, HENRY FRANCIS	Middx.
1909.	HUNTER, FREDERICK ARTHUR	45 Silverdale, Sydenham, S.E. (Elsworthy, Bushey Grove Rd.,
1910.	HUNTER, MICHAEL BERNARD	Watford.
1905.	HUNTLEY, HORACE FREDERICK	75 Mount Pleasant, Barrow-in- Furness.
1907.	(Hutchinson, George Victor	Loco. Dept., G. S. & W. Railway,
1908.	WALENTINE	Inchicore, Dublin. Tantah, Egypt.
2000,		
1907.	IDLE, CHRISTOPHER CHARLES	6 Britannia Rd., Bedford.
1902.	Inchley, William	Engineering Dept., University College, Nottingham.
1910.	INGOLDBY, ERIC	19 Gainsborough Rd., Crewe.
1902.	IRONSIDE, PERCY HUMPHREY	Transvaal Gold Mining Estates, Pilgrims Rest, Transvaal.
1908.	ISTED, WALTER DUDLEY {	Rosebery, Burgess Hill, S.O., Sus-
1905.		sex. 17 Heathfield Avenue, Crewe.
1909.		Ivydene, New Town, Colchester.
	,	0 D II 17' / 17'II D T
1910.	Jackson, Harry Yule Vivian {	2 Bella Vista Villas, Burnage Lane, Levenshulme, Manchester.
1906.		St. Leonard's House, York.
1908.	(TANTERN PART. HEDMANN)	1 Rusham Rd., Balham, S.W.
1902.	{ HUDDEN	6 The Avenue, Hornsey Park, N.
1910.	1	Fern View, Caerphilly, Cardiff. Kenley House, Huguenot Place,
1910.	JENKINS, DONALD MISBET	Wandsworth Common, S.W.
1910.	(	38 Southwood Avenue, Highgate, N. c/o James T. Jervis, Queen Anne's
1904.	JERVIS, DERESFORD CLAYTON	Chambers, Westminster, S.W.
1909.	JOCKEL, LAURET MARSHALL	Tramway and Electricity Works, Rawmarsh, Rotherham.
1910.		57 Queen's Rd., Wimbledon, S.W.
1907. 1907.		Carlton Hotel, Bloemfontein, O.R.C. Overdale, Kelsall Hill, Cheshire.
1906.	Johnston, Alexander David- {	Mesers. Henry Simon, 20 Mount
1907.	Jones, Arthur Edward	St., Manchester. 97 New Oxford St., W.C.
1908.	JONES, EDGAR PRICE	17 Heathfield Avenue, Crewe.
1907.	JONES, HAROLD SHAW {	178 Church Hill Rd., Handsworth, Birmingham.
1907.		The Slate Works, Portmadoc.
1909.		152 Anfield Rd., Liverpool.
1009	Torres Courses Traces	Russian Westinghouse Co., Goro-
1903. 1891.	JONES, STINTON JAMES {	chavaija 61, St. Petersburg. 349 Euston Rd., N.W.

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	910.	KARN, RAYMOND EDWARD KEEP, THOMAS BETTSWORTH	106 Haverstock Hill, N.W. 9 and 10 St. Mary-at-Hill, E.C.
19	908.	KEILLER, CLIFTON MACNEE	Springfield, Brackley Rd., Becken- ham.
19	004.	KENDALL, ALFRED HAROLD	66 Hillside Rd., Streatham Hill, S.W.
19	908.	KENT-NORRIS, HENRY, Jun.	Eagle Iron Works, Newbury.
19	908.	KING, BRIAN TREVOR LOR-	Dundee Motor Carriage Co., 166 Seagate, Dundee.
	004.	KING, HORACE HENRY KING, STEPHEN HOLMES	Windsor Cottage, Bodmin. 19 Marriott Rd., Finsbury Park, N.
	907.	KINGSBURY, HAROLD	Burton Dassett, Herne Hill, S.E.
	)10.	KINGSMILL, VICTOR HENRY (KRÖNIG, HEINRICH HERMANN)	Richmond Villas, Balmoral, Belfast.
19	008.	GUSTAV	58 Broxholme Lane, Doncaster.
19	909.	Kypriadis, Marinos	13 Rue Nebi Daniel, Alexandria, Egypt.
19	905.	LACEY, ONWARD BAYES	Asst. Loco. Supt., N.W. Rly., Kundian, Punjab, India.
19	908.	Laidler, Charles Remfry	c/o Mrs. Goerbey, Gavino's Bldgs., Governor St., Gibraltar.
19	908.	Langdon, Douglas Eckley	Traccion y Talleres, F. C. de B. A. al Pacifico, Junin, F. C. P.,
19	905.	LARKIN, LESLIE	Argentine Republic.  Bromley Gas Works, Bromley,  Kent.
19	908.	LARTER, WILLIAM LEANDER	Messrs. R. & T. Elworthy, Eliza-
19	909.	LAWFORD, ARTHUR NIVEN	bethgrad, Russia. Bryn Eglwys, Chirk, Ruabon.
19	907.	Lawlor, Alfred Fennell	c/o Instn. of Engrs. & Shipbuilders of Hong Kong, Hong Kong, China.
19	908.	LAWRENCE, LAWRENCE ERNEST	40 Circus St., Greenwich, S.E.
19	906.	Lawson, John Heslin	Jesmond, Lynmouth Rd., Stam- ford Hill, N.
19	909.	Lea, John Arthur	Hemansdale, Park Rd., Kimberley, Cape Colony.
19	908.	LEACH, FELIX	Hillside, Tottington Rd., Brad- shaw, Bolton.
	006.	LEACH, GEORGE BERTRAM	Willow Bank, South St., Rochdale.
	908.	LEDWICK, GEORGE, Jun LEE, ALFRED THEOPHILUS	Rose Hill, Blackrock, Co. Dublin. Yetminster Vicarage, Sherborne.
19	010.	LEE, HOE THYE	79 Blenheim Place, Aberdeen.
19	906.	{LEE, JOSEPH STANDISH SEARCHFIELD	P. W. D., Lucknow, India.
19	908.	LEE, LIONEL JAMES	(82 Errol St., Aigburth Rd., Liverpool.
19	908.	LEESE, JOHN SCURB	70 Richmond Grove, Manchester.
19	909.	LEIGH, JULES MARIUS ROGER	Willa d'Anjou, Rue d'Anjou, Asnières, Paris.
19	904.	LESTER, WILLIAM HENRY	19 Waterloo Rd., Wolverhampton.
19	907.	(LETHBRIDGE-WALTER, CHARLES EDWARD HERBERT)	Jandus Arc Lamp & Electric Co., Hartham Rd., Holloway, N.
19	910.	Levinge, George Tenison	91 Ladbroke Grove, Notting Hill, W.
19	906.	LEWIS, FREDERICK ARTHUR	3 Chowringhee Lane, Calcutta, India.
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1886.	{LEWIS, WILLIAM THOMAS WATKIN	Engineer's Office, Bute Docks, Cardiff; and Havergal, Caswell, Swansea.
1902.	LIGHTFOOT, KENNETH	Linde British Refrigeration Co., 35 Queen Victoria St., E.C.
1906. 1904.	LLOYD, CHARLES GRAHAM LLOYD, GEORGE WILMOT	86 Cathedral Road, Cardiff. 139 Cannon Street, E.C.
1908.	LOCKWOOD, JOHN ERNEST	(c/o Lewis W. Goold, 5 Corporation
	(Loxdale, James Joseph	St., Birmingham. (Saundby Grove, near Gains-
1908.	{ Hugh	borough.
1910.	LUCAS, FREDERICK WILLIAM	Messrs. Lucas & Son, 240 Brixton Hill, S.W.
1907.	MACAULAY, MAXWELL STANLEY	Egyptian Engineering Co., Mansourah, Egypt.
1907.	McCallum, Percy	139 Osmaston Rd., Derby.
1906.	MICHORADD, WILLIAM	Braemar, Westcombe Park Rd., Blackheath, S.E.
1906.	MACDONALD, WILLIAM ROBIN-	South St. Roque's Works, Dundee.
1903.	MACGREGOR, ALEXANDER JOHN	4 Coleman St., E.C.
1909.	McGroarty, Roland Dryden	11 Whitworth Rd., S. Norwood, S.E.
1908.	Mackenzie, Duncan Gordon	17 Rosemont Rd., Acton, W.
	(Mackenzie, Joseph Charles)	
1907.	{ DUKE }	28 Victoria St., Westminster, S.W.
		Oficina del Subterranes, F. C. O.
1907.	MACKINNON, ALISTER	de B.A., Estacion Once, Buenos Aires, Arg. Rep.
1908.	Maclean, Alan Douglas	Lochbine, Harrogate.
1907.	WACLEAN, EBIC WANKLYN	Messrs. J. J. Niven & Co., 3 Salters' Hall Court, E.C.
1906.	McQuhae, William	23 Belvedere St., Workington.
1908.		(41 Alexandra Place, Newcastle-on-
1300.	\ STONE	Tyne.
1905.	Mail, John Stanley	Roecliff Lodge, Corbridge, S.O., Northumberland.
1907.	MAITLAND, EDWARD BELLASIS WIGHTMAN	10 Chester Place, Hyde Park Sq., W.
1909.	MAJOR, STEPHEN VINE	46 York St., Bryanston Square, W.
1909.	MALONE, PATRICK	3 Morland Rd., Byculla, Bombay, India.
1907.	Malyon, Frederick Wilson	Waihi G. M. Co., Waikino, Auckland, N.Z.
1904.	Manisty, Henry Scott	43 Belsize Park Gardens, Hamp- stead, N.W.
1909.	Mann, Ernest Leonard	97 West Parade, Lincoln.
1907.	MARCUSE, EUGEN GERALD	Messrs. Ruston, Proctor & Co., Odessa, Russia.
1907.	MARR, ARTHUR SEYMOUR	c/o Messrs. Thos. Cook & Son, Challis House, Sydney, N.S.W.
1906.	Marsh, Charles Kenneth	38 Stanley Rd., Patricroft, Man- chester.
1904.	MARSHALL, ALBERT EDWARD	67 Dresden Rd., Highgate, N.
1910.	Marshall, Francis James	Leopoldina Rly. Co., Porto Novo de Cunha, Minas Geraes, Brazil.
1907.	MARTIN, HENRY COLVIN ROW-	Messrs. A. Janowitzer, P.O. Box 336, Calcutta.

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1905.	MASON, HERBERT RICHARD	Messrs. Vickers Sons & Maxim, Erith, S.O., Kent.
1908.	MATTHEWS, ERNEST	Messrs. F. W. Stevenson & Co., Manila, Philippine Islands.
1886.	MATTOS, ALVARO GOMES DE	198 Rua da Sande, Rio de Janeiro,
1902.	Maw, Arthur Ernest	18 Addison Rd., Kensington, W.
	·	(Richmond House, Northbrook Rd.,
1907.	MAY, GEOFFREY HINDMARSH	Lee, S.E.
1909.	(MEADE-KING, RICHARD EVELYN) BEAUCHAMP	24 Cavendish Place, Jesmond, New- castle-on-Tyne.
1905.	MEGIRIAN, JOSEPH JAMES	209-72nd St., Bay Ridge, Brooklyn, New York, U.S.
1908.	Mehta, Frankoz Dhanjishaw	Titvala Rice Mills, Titvala, Thana District, Bombay.
1909.	MERCER, GEORGE HENRY	1 Park Rd., Round's Green, Oldbury, Birmingham.
1910.	MERCER, IVOR EDWIN	55 Archers Rd., Eastleigh, Hants.
1911.	MEYJES, ANTHONY CHARLES DORIAN	49 High Street, Grantham.
1908.	MILLER, LEONARD CHALLINGE	14 Carlton Road, Brockley, S.E.
1903.	(MINETT, ALBERT ERNEST SCUL-	(c/o Messrs. Scott & Co., Bankers,
1905.	Monaghan, Thomas Joseph	Rangoon, Burma. 456 King's Road, Chelsea, S.W.
		Ardeevin, N. Circular Rd., Phœnix
1907.	Monks, Patrick Joseph	Park, Dublin.
1908.	MOORE, EARLE SIDNEY	Devoncroft, Twickenham.
1907.	MOORE, EDWARD STAPLETON	67 Onslow Square, S.W.
1903.	Moore, Francis Charles	9 Lombard Chbrs., Pitt St., Sydney, N.S.W.
1909.	Moore, Ronald Charles	9 Mountjoy Place, Newport, Mon.
1906.	Morgan, Frederick John	Hulsewood, Dartford.
1906.	Morgan, Herbert Edward	Messrs. W. R. Sykes' Interlocking Signal Co., Station Rd., Clapham, S.W.
1902.	MORGAN, WILLIAM HENRY	9 Chatsworth Rd., Croydon.
1908.	MORRELL, Lieut. GEORGE	c/o Messrs. Cox & Co., 16 Charing
2000.	\ MARK, R.E	Cross, S.W.
1910.	Morris, Reginald Gordon	Gainsborough.
1907.	Morris, Sidney William	Knight's Hotel, Lincoln.
1903.	Morris, William Edward	34 Summerhill Rd., South Totten- ham, N.
1906.	Moss, Ernest William	20 Huddlestone Rd., Tufnell Park,
1907.	Moss, Francis Charles	N. Woodside, Moorgate, Rotherham.
1910.	MOTASHAPUR, JAL DINSHAW	3rd Marine Street, Dhobitaloe,
1909.	Mott, Reginald John	Bombay.
1000.	mori, ivedinale sonn	24 Selborne Rd., Ilford. (City and Guilds Central Technical
1910.	MOUNIB, ELSAYED MOHAMMED	College, Exhibition Rd., S. Kensington, S.W.
1909.	Mugaseth, Bajun Maneck	62 Railway Rd., Old Trafford, Man- chester.
1905.	MUNYARD, MATTHEW HENRY	Thames Engineering Works, Greenwich, S.E.
1907.	Murfin, Louis John James	je/o Druitt Halpin, 17 Victoria St.,
		Westminster, S.W.

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	1892.	Murray, David James	1 Rustic Place, Dudhope St., Dundee.
	1905.	MYERS, ARCHIBALD CHARLES	19 Avignon Rd., Brockley, S.E.
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		(Marrier Heavy Eng Cash	(HMCC "Nicke" Helife New
	1908.	NAPIER - HEMY, Eng. Sub Lieut. Hubert John, R.N.	(H.M.C.S. "Niobe," Halifax, Nova Scotia.
	1904.	NASH, HENRY ALGERNON FRASER	North Metrop. Electric Power and Supply Co., Manor House Offices, Finsbury Park, N.
	1907.	NAYLOR, THOMAS LIDDLE	Apartado 156, Madrid, Spain.
	1907.	Nelson, Lionel	Nelson Crescent, Napier South, New Zealand.
	1905.	NEWLANDS, ARTHUR HERBERT	j78 Mount Pleasant, Barrow-in-
	1910.	NEWMAN, EDWARD ROWDEN	Furness. 33 Mildenhall Rd., Clapton, N.E.
		•	General Delivery of G.P.O., Van-
	1908.	NEWMAN, REGINALD BODMAN	couver, B.C.
	1909.	NIEN, CHAR KING	38 Salisbury Rd., Birchfield, Birmingham.
	1905.	NORRISH, HUGH ROPER BAR-	Hawley House, Tudor Rd., Upper
	1907.	NORWOOD, CHARLES ROLAND	Norwood, S.E. 404 Goldhawk Rd., Chiswick, W.
	1909.	Noyce, Charles Halsted	12 Railway Road, Urmston, Man-
		Trough Character Landing	chester.
	1910.	OAKLEY, HARRY WILLIAM	15 Highbury Terrace, Highbury, N.
	1909.	(O'BRIEN, GEORGE HOLME,	(Glenageary, Church Rd., Urmston,
	1909.	{ B.Sc	Manchester.
	1903.	Ogg, Easton Lewis	Brendon, Tressillian Rd., Brock- ley, S.E.
	1905.	ORAM, ROBIN EDGAR CECIL	Nagda Muttra State Rly., Sham- garh, Rajputana, India.
	1906.	O'RIORDAN, GEORGE FRANCIS	Municipal Technical School, Park
	1000.	O INIONDAN, GROUGE PHANCIS	St., Hull.
	1905.	ORME, CHARLES TEMPLE	213 Uxbridge Rd., Shepherd's Bush, W.
	1883.	OSBORN, WILLIAM FAWCETT	Clyde Steel and Iron Works, Sheffield.
	1904.	OWEN, EDWARD HUGHES	The Hollies, Oswestry.
	1909.	OWEN-GRIFFITHS, WILLIAM	Messrs. Guthrie & Co., Singapore, Straits Settlements.
			( Dozales Doublettolies.
	1907.	PACEY, STEWART OSWALD	Ottoman Gas Co., Smyrna, Turkey- in-Asia.
	1909.	{PAFFETT, Eng. Lieut. WILLIAM FREDERICK, R.N.	H.M.S. "Hibernia," c/o Postmaster General, E.C.
	1906.	PALMER, ALBERT EDWARD	(73 St. George's Avenue, Tufnell
	1905.	PALMER, EDWARD WILLIAM	Park, N. 14 Cecil Road, Harlesden, N.W.
	1909.	Pannell, John Robert	Orford House, Waldegrave Park, Strawberry Hill, Twickenham.
	1908.	Parish, Herbert Leslie Okes	(43 Chope Place, Detroit, Mich.,
	1300.	I AMISH, TERBERT LESUIE OKES	United States.

		(=0.77;   1. Th.) 37;
1910.	PARNELL, FRANK GORDON	73 Victoria Rd., North Side, Clapham Common, S.W.
1906.	PARSONS, JOSHUA	Signal Supt's. Office, Midland Railway, Derby.
1908.	PEARSON, VERNON	Cinque Ports House, Rye.
1906.	Danasa Wirana	(53 Lower Beechwood Ave., Rane-
1900.	PEARSON, WALTER	lagh, Dublin.
1902.	PENN, BERTRAM HARLEY	(3 Flanders Rd., Bedford Park, Chiswick, W.
1907.	PENROSE, PHILIP OWEN	H.M.S. "Indus," Devonport.
1907.	PEREIRA, ROBERT ARTHUR	4 Kennett Lane, Egmore, Madras, India.
1907.	PERKINS, WILLIAM SYDNEY REGINALD	145 Brigstock Rd., Thornton Heath, Surrey.
1907.	PERKS, THOMAS, Jun	Messrs. Crosfield's Soap Works, Warrington.
1906.	PERRY, FREDERICK BUCKLAND	Lindum House, Hamilton Rd., Lincoln.
1000	D II C	Messrs. Yarrow & Co., Scotstoun,
1909.	PETTIT, HERBERT CHARLES	Glasgow.
1909.	PEYCKE, VERNER CARL	P.O. Box 247, Port Elizabeth, Cape Colony.
		27 Pilgrim St., Newcastle-on-Tyne.
1890.	PHILIPSON, JOHN	{ [Carriage, Newcastle-on-Tyne.
		1641.] (27 Pilgrim St., Newcastle-on-Tyne.
1884.	PHILIPSON, WILLIAM	[Carriage, Newcastle-on-Tyne.
20021		1641.]
1010	Description Town	Messrs. L'Estrange & Hay, The
1910.	PHILLIMORE, JOHN	Clock House, Arundel Street, W.C.
1010	Degrapager Westers Trans	c/o Messrs. J. Stone & Co., Dept-
1910.	PICKERSGILL, WILLIAM JAMES	ford, S.E.
1907.	PILE, WALTER DEVEREUX	237 Willesden Lane, N.W.
1905.	PIRRIE, ROBERT HAMILTON	Messrs. Richardson & Cruddas, Byculla, Bombay.
1010	Pockels, William Henri	sc/o F. J. Hunter, F. C. del Sud,
1910.	AUGUST FRANCIS	Temperly, Arg. Rep.
1906.	POLLARD, HUGH BERTIE CAMP-	51 Queen Anne's St., Cavendish
	( BELL	\ Square, W. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1909.	Ponsonby, Guy Evelyn	Hall, Barbados.
1909.	Poole, Gordon George	(Wrekin View, Gladstone Road,
1000.	( THOMAS	Hadley, Wellington, Salop.
1906.	POWER, ROBIN TURENNE	Asst. Traffic Supt., Burma Rlys.Co., Rangoon, Brit. Burma.
1910.	PRESTON, FRANCIS HEADLEY	Avenue House, Kettering.
1905.	PREVÔST, HENRI ARTHUR	(c/o A. T. Prevôst, P.O. Box 5400, Johannesburg, Transvaal.
1905.	PRIEST, CLARENCE SIDNEY	Regina Machine Co., Exchange
	(PROUDMAN, SEPTIMUS STEPHEN	Bldgs., New St., Birmingham. (Brierdale, Park Rd. South, Birken-
1910.	THOMPSON	head.
1909.	PRYCE, WILFRED HARRY	Carysfort House, Chantry Lane,
1000		Grimsby. (12 Castle Street, Sneinton, Not-
1909.	PULLMAN, HUGH	tingham.
1905.	PUTNAM, PERCY FRANCIS	Blakesley, Moss Hall Villas, Finch-
		ley, N.

1908. QUINTON, WALTER RICHARD 6 Burwash Rd., Plumstead.

1907.	RAYNER, ARTHUR JAMES	Thomason Civil Engineering Col-
		lege, Roorkee, U.P., India.
1908.	REAN, WILLIAM HENRY	88 Oxford Gardens, W.
1910.	REDDING, FREDERICK CHAPMAN	Gun and Shell Factory, Cossipore, Bengal, India.
1910.	REDFORD, ARTHUR	Takli, Nagpur, C.P., India.
1902.	REEVE, EDWARD	(Wolseley Tool & Motor Car Co.,
1302.	TUBEVE, EDWARD	Adderley Park, Birmingham.
1910.	REFOY, GEORGE ALBERT	22 Armstrong Place, Plumstead, Kent.
1905.	RENDELL, HENRY THOMAS	Conegar, Stoke Poges Lane, Slough.
1884.	REYNOLDS, THOMAS BLAIR	10 Tor Gardens, Campden Hill, W.
1907.	RICHARDS, CLIFFORD CHARLES	38 March Street, Con-M., Man- chester.
1904.	RICHARDSON, JOHN STOCKS	East Parade Chambers, Leeds.
1906.	RICKIE, ALEXANDER JOHN	10 Nawab Putti Rd., Chitpore,
1909.	ROBBINS, HENRY	Calcutta. 25 Campden Hill Square, W.
	(ROBERTS, EDWIN GILBERT)	
1903.	{ LLEWELLYN }	Park Lodge, Eltham, Kent.
1909.	ROBERTS, GEORGE GOODDEN	Messrs. Boult, Wade and Tennant, 111 Hatton Garden, E.C.
1905.	ROBERTS, OSWALD WILLAN BURRA	32 Craven Park Rd., Harlesden, N.W.
1910.	ROBERTSON, ALEXANDER MEL-	Messrs. Robertson & Adams, 52 St. Enoch Square, Glasgow.
	( VIN	(293 Willesden Lane, Willesden
1909.	ROBINSON, CYRIL ELLETT	Green, N.W.
1910.	Rogers, Frederick Reginald	The Gamble Institute, St. Helens,
		Lancs.
1909.	Rose, Frederick Charles	Burnt Oak, Edgware, Middlesex.
1909.	Rose, Nathaniel	7 Vicarage Villas, Neasden Lane, Willesden, N.W.
		P.O. Box 97, Windsor, Vermont,
1905.	Rose, William Alexander	U.S.
1910.	Ross, Harold Arthur	512 Lordship Lane, Dulwich, S.E.
1901.	Rouse, Frederick Robert	53 St. George's Rd., Regent's Park,
20021	( CHARLES	N.W. (120 Derwent View, West Benwell,
1909.	Rowell, Henry Snowden	Newcastle-on-Tyne.
1910.	ROWELL, JOHN PERIAM	16 Manor Rd., Yeovil.
1909.	Royle, John Sanderson	60 Canning St., Liverpool.
1888.	Rümmele, Alfredo	3 Foro Bonaparte, Milan, Italy. (North Division (Irrigation), Dam-
1907.	Rushdy, Abdullah	anhour, Egypt.
1909.	{Russell, Alexander Cock-} Burn, Jun}	The Grange, Ellesmere Park, Eccles.

1906. SALWAY, ALEC DUDLEY ... ... Nascott, Newbury.
1907. SANDERS, THOMAS HENRY ... {c/o George Cawley, 82 Victoria St., Westminster, S.W.

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1907.	SAVILLE, HERBERT	Chelwood, 19 Curzon Road, South- port.
1908.	SAXELBY, FRED ALBERT	38 Beacon Rd., Loughborough.
1909.	Saxon, Leonard	1930 Ashton Old Rd., Higher Open- shaw, Manchester.
1909.	SCHNEIDER, HERBERT HUGO	Granville House, Overhill Road, East Dulwich, S.E.
1902.	SCHULTZ, GEORGE CHRISTO-	Loco. Dept., Midland Railway, Wilford Rd., Notts.
1881.	SCOTT, ERNEST	Close Works, Newcastle-on-Tyne. [Esco, Newcastle-on-Tyne. 1259.]
1908.	SCOTT, GEORGE HERBERT	Dunluce, Western College Rd., Mannamead, Plymouth.
1910.	Scott, John Beckett	4 Belsize Square, Hampstead, N.W.
1909.	SELLS, MARTIN PERRONET	(c/o Reid, 17 Petershill Rd., Springburn, Glasgow.
1908.	SEYMOUR, CHARLES MARK	30 Shrewsbury St., Old Trafford, Manchester.
1907.	SHARP, FRANCIS SAMUEL	British Oxygen Co., Elverton St., Westminster, S.W.
1910.	SHARPLES, WILLIAM ELLISON	Casilla Correo 1627, Buenos Aires, Argentine Republic.
1906.	SHAW, ARCHIBALD THOMAS	76 Preston St., Faversham.
1905.	SHEARMAN, JOHN, Jun	16 Frognal Gdns., Hampstead, N.W.
1908.	SHENSTONE, WILLIAM McCAL-	Gabroo Purbot T.E., Seleng, A.B. Rly., Upper Assam, India.
1909.	SHENTON, CHARLES FRANCIS GODWIN	Messrs. Lewis & Tylor, St. Mary's Works, Cardiff.
1910.	SHEPPY, DOUGLAS	The Priory, Tortington, Arundel.
1910.	SHERRATT, FREDERICK WIL-	22 Causeway Avenue, Warrington.
1908.		St. Margaret's, 61 Lynton Rd. South, Gravesend.
1910.	SHIRLEY, HENRY NORMAN	Seeburg, Derbyshire Lane, Stret- ford, Manchester.
1903.	SHIRREFF, JAMES ARTHUR	Rocklands, Longham, Wimborne. (c/o Messrs. Easton, Gibb & Son,
1909.	SIA, WAICHING V	H.M. Dockyard, Rosyth, Inver- keithing, Fifeshire.
1908.	SIBETH, EDWARD FRANCIS	Brancott, Blenheim, New Zealand.
1910.	SIBON, BRIJ KRISHNA	Electrical & Mechanical Dept., Bikaneer, Rajputana, India.
1909.	SIDDLE, WILFRED LEAR	Sherbrooke Lodge, 3 Acre Lane, Brixton, S.W.
1905.	SIMPSON, FREDERICK DUDLEY	Messrs. F. R. Simpson & Co., Old- bury, Birmingham.
1902.	SINGTON, LEONARD FRANCIS	Howe Electrical Engineering Co., 18 James St., Liverpool.
1905.	SKIDMORE, THOMAS EMMOTT	British Cigarette Co., Pootung Factory, Shanghai, China.
1903.	{SMART, DAVID HOWARD ST.}	108 Grange Rd., Bermondsey, S.E.
1909.	SMITH, CHARLES ST. VINCENT	Lloyds Bank House, Fenton, Stoke-
1909.	SMITH, RALPH WOOD	on-Trent. 48 Molineux Street, Derby.
1908.	SMITH, RANDALL BONNER	28 Tyrwhitt Rd., Brockley, S.E.
1904.	SMITH, STANLEY CARLTON	Messrs. W. H. Allen, Son & Co., Queen's Engineering Works, Bedford.

1911.

Date	of	101	ection	١.

1902.	SMITH, SYDNEY ABBOTT	66 College St., Chelsea, S.W.
1910.	SMITHER, GREVILLE FRY	Green Bank, Lewes.
1910.	Snadden, Duncan Gray	(c/o Mrs. Wilson, 313 Leith Walk, Edinburgh.
1902.	SPEAR, CHARLES OSCAR	Colliford Mines Ltd., St. Neot, Liskeard.
1904.	SPEDDING, JOHN WILSON	15 St. Michael's Rd., Workington.
1909.	SPENCE, JOHN LESLIE	33 Orlando Road, Clapham, S.W.
1910.	SPOONER, ALAN	27 North Street, Dudley.
4004		(Broad Oak, Wilmslow Rd., Dids-
1904.	STADELBAUER, ALFRED	bury, Manchester.
4000	G G .	(592 Oxford Terrace, Pleck Road,
1909.	STANDLEY, GEORGE ARTHUR.	Pleck, Walsall.
		Stalheim House, Gauden Rd.,
1903.	STANFORD, ERIC SPENCER	Clapham, S.W.
		(c/o T. Lumsden, Coulthard's Lane,
1905.	STANIER, JOHN HAMILTON	Gateshead.
1909.	STEED, ERNEST ALBERT	61 Pasley St., Stoke, Devenport.
1303.	STEED, ERNEST ALBERT	
1908.	STEPHENS, CHARLES VIVIAN	3 St. Mark's Square, Bangalore,
1910.	STEPHENS, ROBERT RANDOLPH	Mysore State, S. India.
1907.	STEWART, GORDON	7 Nelson St., Barrow-in-Furness.
1901.	STEWART, GORDON	Alberne, Farncombe Rd., Worthing.
1908.	(STRANGWAYS, GUY ERNEST	Works Manager, Regent Engineer-
1908.	ALAN	ing Co., 180 Arlington Road,
		Regent's Park, N.W.
1909.	STUART, ROBERT JAMES NOEL	Down Green, Wheathampstead,
		Herts.
1904.	SUGGATE, CLAUDE FRANCIS	Electl. Engr's. Dept., G.E. Rly.,
4010	DENNY	Norton Folgate, E.
1910.	SUTTILL, ALBERT GARBUTT	4 Gladstone Terrace, Ripon.
1908.	SWANN, HENRY LESLIE ALDER-	119 Heath St., Hampstead, N.W.
1903.	SWARBRICK, FREDERICK	Electricity Works, Leigh, Lancs.
1905.	Consoura Assaura Dansoura	(Messrs. Bryant Symons & Co., 326
1900.	SYMONS, ANGUS BRYANT	St. John St., E.C.

1910.	TABERNER, ARTHUR DOUGLAS	Messrs. L. J. Healing & Co., Chang- chun, Manchuria, China.
1910.	TAYLOR, ARTHUR EDWARD	218 Orford Lane, Warrington.
1910.	TAYLOR, WILLIAM ARTHUR	University Union, Edinburgh.
1902.	TCHIGHIANOFF, ALEXANDER	(40 Upper Park Rd., Hampstead, N.W.
1910.	TEMPLE, SAMUEL HERBERT	7 Fern Bank, Grant St., Edgbaston, Birmingham.
1907.	THEED, CHARLES ALEXANDER	Wellington House, Carlton Rd., Putney, S.W.
1908.	{THIEME, HERMANN CARL}	Messrs. Heenan & Froude, 4 Chapel Walks, Manchester.
1905.	THOMAS, FRANK GEORGE	Messrs. Chambers & Co., Tokomaru Bay, Gisborne, N. Island, N.Z.
1904.	THOMPSON, BERNARD VALEN-	81 Rustlings Road, Endcliffe, Sheffield.
1908.	THOMS, ALEXANDER KEAY	Alliance Jute Mills, Shamnagar, E. B. S. Rly., India.

1902.	THORNTON, ARTHUR FREDERICK	Messrs. Westinghouse, Church, Kerr & Co., 10 Bridge St., New York, U.S.
1905.	THORPE, HAROLD THOMAS EMMERSON	P.O. Box 149, Johannesburg, Transvaal.
1904.	THURSBY, THOMAS ARCHIBALD	86 City Rd., Sheffield.
1908.	TIMMINS, LAUNCELOT POTTER	Argyll Lodge, Higher Runcorn.
1907.	Timothy, Ernest	Remodelling Works, G. I. P. Rly., Kalyan, India.
1908.	TONER, JOSEPH	Chez Nous, Henry Rd., Slough.
1903.	TRAYTE, WALTER GEORGE	21 Conduit Rd., Plumstead.
1910.	TREE, BENJAMIN FERGUSSON	56 King's Rd., St. Leonards-on-Sea.
1907.	TROTTER, WILLIAM BEAU-	James Ballantyne Co., Main St., Winnipeg, Canada.
1904.	TROUGHTON, HENRY JAMES	Engineer's Dept., Metrop. Electric Tramways, Manor House Offices,
1000	m	Seven Sisters' Rd., N.
1906.	TRUSLER, WILLIAM JAFFREY	35 Elliott Rd., Calcutta.
1903.	TURNER, JOE DARE KNOBBS	(3 Ingoldsby Ave., Richmond Grove, Con-M., Manchester.
1903.	TURNER, WILLIAM LAWRENCE	Purley Chase, Atherstone.
1908.	TWELVETREES, GEORGE HAR-	Mount View, East Park Rd., Blackburn.
1000	(TWELVETREES, RICHARD WAL-	(Messrs. Linington Bros., 52 Com-
1902.	TER RICKARD	mercial Rd., Portsmouth.
1910.	VARLEY, GEORGE GILDER	Gilders Villa, Springhead, Oldham.
1909.	VEAL, JOHN MINSHULL	6 Ranelagh Gardens, Hammer-
1010		\ \text{smith, W.} \( \text{Messrs. T. & T. Vicars, Earlestown,} \)
1910.	Vicars, Thomas, Jun	Lancs.
1907.	VINING, ROY VEITCH	17 Florence Rd., Ealing, W.
1910.	WAITHMAN, WYNDHAM	(Norfolk Portland Cement Corpn.,
1910.	WAITHMAN, WINDHAM	Box 869, Norfolk, Va., U.S.
1905.	WALKER, CHARLES ALBERT	L.C.C. School of Engineering and Navigation, High St., Poplar, E.
1906.	WALKER, EDWARD GEORGE	337 Beverley Rd., Hull.
1910.	WALKER, JAMES SCARLETT	Wyborne Gate, 4 Westcliffe Rd.,
	ASCROFT	Birkdale, Southport.
1909.	WALKER, WILLIAM ERIC	30 WestParade, Newcastle-on-Tyne.
1909.	WALLACE, JOHN	Winterbourne, Gipsy Lane, Putney, S.W.
1908.	WALLACE, ROBERT ALFRED	P.W.D., Zanzibar.
1910.	WALLBRIDGE, CHARLES SEA-	3 Hale Gardens, Acton, W.
1907.	Walmsley, Thomas	28 Arundel Square, Barnsbury, N.
1910.	Walters, Ernest Albert	34 Sundorne Rd., Charlton, S.O.,
	,	Kent.
1909.	WARBURG, FREDERICK NORMAN	4 Smyrna Mansions, West Hamp- stead, N.W.
1905.	WARD, CHARLES WILLIAM DAWSON	The Tho, Castle Ed., Nothingham.
1910.	WARD, WILLIAM ARTHUR	(Broombank Mount, Glossop Rd., Sheffield.
1908.	WARING, HORACE	Messrs. Newton, Bean & Mitchell,
		Dudley Hill, Bradford.

Data	of	File	ectio	n.

		On Heathwille Dood Grovel IIII
1901.	WARWICK, PERCY WALTER {	20 Heathville Road, Crouch Hill, N.
<b>1</b> 910 <b>.</b>	Watson, John Maddocks {	Oaklands, Cumberland Rd., Kew, Surrey.
1908.	WATT, WILLIAM, Jun	1 Bateman Avenue, Pietermaritz- burg, Natal.
1908.	WEBB, GERALD	Grant St., Miles Platting, Man- chester.
1906.	WEBSTER, RUPERT KENLEY	Woodville, Heathdene Rd., Wallington, Surrey.
1909.	WEIR, DOUGLAS CHURCHILL	St. Gabriel's Rectory, Cornbrook,
1910.	WHALL, CHRISTOPHER JOHN	Manchester. 19 Shaftesbury Rd., Ravenscourt
1908.	WHALLEY, HERMES DE	Park, W. Park House, 18 Brandram Rd.,
	,	Lee, S.E. Kennicott Water Softener Co., 4
1906.	WHEATON, HAROLD JOSEPH	Broad Street Place, E.C.
1910. 1910.	WHEELER, ARTHUR GEORGE WHELDON, EMRYS JOHN	20 Tangra Rd., Entally, Calcutta. King St., Carmarthen.
1888.	WHICHELLO, RICHARD	Messrs. Victor Uslaender & Co., 33 Rua do General Camari, Caixa
1000.	WHICHELLO, INICHARD	542, Rio de Janeiro, Brazil.
1907.	WHITE, JOHN DONALD	90 Mitchell St., Glasgow.
1910.	WHITE, PERCIVAL JAMES	Oak Villa, Brough, S.O., Yorkshire.
1910.	WHITEHOUSE, EDGAR	16 Reservoir Retreat, Edgbaston, Birmingham.
1907.	WHITEHOUSE, WILLIAM HENRY	Y.M.C.A., Commercial St., Newport, Mon.
1909.	WHITELEY, JAMES WILLIAM	43 Johnston Street, Wakefield.
1906.	WICKHAM, OLIVER	{21 Creffield Rd., Ealing Common, W.
1910.	WICKHAM, WILLIAM CARRING-	11 Raynham St., Hertford.
		(Edmundsons' Electricity Corpn.,
1889.	WIGHAM, JOHN CUTHBERT	Broad Sanctuary Chambers, Westminster, S.W.
1909.	WILKINSON, GEORGE SHAKE-	Charnwood, Oban St., Ipswich.
1908.	WILLATS, ALLAN MONTAGUE	Entre Rios Rly., Paraná, Arg. Rep.
1904.	WILLIAMS, HERBERT LAU-	
1905.	WILLIAMS, HUGH RICHARD	54 Wetherell Rd., South Hackney, N.E.
1908.	WILLIAMS, JOHN REEVE	P.O. Box 3401, Johannesburg, Transvaal.
1903.	Wilson, Ewain Murray	58, St. Nicholas St., Thetford.
1907.	Wilson, Reginald James Weir	The Beeches, Albany Park Rd., Kingston-on-Thames.
1909.	WINTER, NORMAN FREDRICK SMAGG	
1904.	WITHERINGTON, CHARLES	Namgaon T. E., Thakibari P.O., Tezpore, Assam, India.
1910.	Wolsey, George	(Shepperton House, 68 Lee Rd., Blackheath, S.E.
1910.	Wood, Francis John	16 St. Catherine's Rd., Grantham.
1906.	WOODHOUSE, Lieut. ERNEST,	Longmead, Marple Bridge, Stock-
1900.	( R.E	{ port.

_		
		(c/o LtColonel William Woods,
1908.	WOODS, EDMOND WILLIAM	Warnford Park, Bishop's Wal-
	,	tham, Hants.
1910.	WOODWARD, HAROLD	Gas Works, Leeds Rd., Nelson.
1910.	WOOLLEN, HARRY	17 Rue d'Anjou, Asnières, Paris.
1903.	Worse T II	(Messrs. G. J. Worssam & Son,
1905.	Worssam, Leslie Henry	Wenlock Rd., City Rd., N.
		(Messrs. G. J. Worssam & Son,
1906.	WORSSAM, RALPH	
	,	Wenlock Rd., City Rd., N.
		(Contraflo Condenser Co., Caledonian
1902.	WRIGHT, ARTHUR REGINALD	Bldgs., Pilgrim St., Newcastle-
	,	on-Tyne.
1909.	WRIGHT, THOMAS HAROLD	33 Nigel Rd., Peckham Rye, S.E.
1000.	WRIGHT, THOMAS HAROLD	33 Migel Iva., I eckham Ivye, S.E.
1903.	YARROW, HAROLD EDGAR	Fairlawn, Bearsden, Glasgow.
	(YATES, REGINALD CHOLMELEY	(Madras and S. M. Railway, Peram-
1905.		
	( CAMPBELL	bore, Madras.
1907.	YATES, ROBERT VERNON	Hilika Tea Estate, Bara Hapjam
1001.	YATES, ROBERT VERNON	P.O., Assam, India.
	(YERBURY, FREDERICK AU-	(Canadian Böving Co., 164 Bay St.,
1891.		Toronto, Canada,
	( GUSTUS	
1905.	Young, Geoffrey	Electrical Dept., São Paulo Rly.
2300.	20010, 010171111	Co., São Paulo, Brazil.

# TOPOGRAPHICAL LIST OF MEMBERS.

# BRITISH ISLES. ENGLAND.

Abbey Wood-		Barnstaple-		Bedford (cont.)-	
Shoosmith, H.	M.	Colbourne, T. S.	A.M.	Howard, G.	G
Aldershot-		Barrow-in-Furness		Howard, J. H.	M
Donohue, Major W	7 16	Banister, G. H.	M.	Idle, C. C.	G
Donondo, Major V	M.	Caswell, C. H.	G.	Langley, G.	A.M
	J.C.R. o	Childs, J.	G.	Robertson, W. H. A	. A.M
Alfold, Surrey-		Evans, M. D.	Ğ.	Smith, S. C.	. G M
Hay, A. S.	A.M.	France, W. H.	G.	Trunchion, W. T. F.	A.M
Alfordon		Huntley, F. A.	Ğ.	Wyatt, A. J. H.	A.M
Alfreton-	G.	McFarlane, L. G.	M.	Belper-	
Ashmore, J. A. Goodwin, R.	A.M.	McKechnie. J.	M.	Alleyne, Sir J. G. N	. M
Wilson, P. H.	A.M.	Newlands, A. H.	G.	Belvedere-	
WIISOII, I. II.	ZX.DL.	Oughterson, G. H.	A.M.	Fox, C. W.	G
Andover-		Parker, R.	A.M.	Norman, G. H.	A.M
Stringer, P.	A.M.	Pettigrew, W. F.	М.	Walker, P.	M
		Sharples, E.	М.		
Arundel-		Stephens, R. R.	G.	Bembridge-	
Sheppy, D.	G.	Stevenson, E. J.	A.M.	Mackenzie, K. R.	A
Ascot-		Thackeray, T.	M.	Berwick-	
Westmacott, P. G.	R M.	Vial, H. F.	A.M.	Collinson, F. E.	A.M
Worsdell, W.	M.	Basingstoke-		Bexhill-on-Sea-	
	202.5	Barford, V. G.	A.M.	King, C. P.	M
Ashford, Kent-	_				747
Dorman, R. B.	G.	Bath-	0	Bexley Heath-	-
Masterton, J. F.	M.	Baldwin, F. J.	G.	Howard, P.	G
Stirling, J.	M.	Bullock, R. C.	A.M.	Bickley-	
Ashton-under-Lyne		Day, A. G. Farwell, G. D.	A.M.	Paterson, S.	M
Bayliss, W.	М.	Ford, H. H.	A.M.		
Bickerton, H. N.	M.	Forrest, H.	G.	Bideford—	
Cartwright, W.	M.	Hamblin, H. J.	A.M.	Emery, J. L.	A.M
Mohn, T.	A.M.	Harris, W. W.	A.M.	Biggleswade-	
220221, 21		Horner, J. G.	A.M.	Carne, H.	A.M
Atherstone-	_	Hunton, W.	A.M.	Carne, II.	21.11
Turner, W. L.	G.	Pitt, W.	M.	Bilston-	
Banbury-		Sainsbury, H. C. B.	. M.	Moody, G. H.	A.M
Bagg, H. A.	A.M.			Turner, V.	A.M
Cunningham, H.	M.	Batley-	A.M.	Distremband	
Nasbey, G. W.	M.	Jones, S. D.	A.M.	Birkenhead—	A.M
Samuelson, E.	M.	Beaconsfield, Buck	s.—	Bayntun, R. S. Bishop, C. H.	A.M
Descriptions.		Robins, A. G.	M.	Brown, R. H.	A.M
Barking-	A.M.	,		Chadwick, R.	A.M
Campbell, J. A.	A.M.	Beccles-	35	Christian, E. A.	A.M
Howard, H. L.	A.M.	Robinson, A. S. F.	M.	Clayton, M. G.	A.M
Jeffreys, H. W. J.	A.H.	Bedford-		Cottrell, S. B.	M
Barnet-		Allen, H. G.	M.	Ewart, J. M.	G
Bancroft, F. J.	M.	Allen, R. W.	M.	Gibson-Sugars, En	ng.
Smyth, J. M.	A.M.	Allen, W. H.	M.	Comm. J. S.	M
Barnsley-		Bocquet. H. C.	M.	Hargreaves, W. L.	A.M
Allport, H. A.	M.	Davies, C. E.	A.M.	Henriques, P. Q.	G
Clark, H.	A.M.	Hooper, W. F.	G.	Henriques, W. Q.	G

Birkenhead (cont.)-	3.5	Birmingham (cont.)-	- 35	Birmingham (cont.)-	- A 70.0
Mansfield, E. A.	M. A.M.	Hadley, W. Hall, J. W. Hall, T. B.	M. M.	Rosevere, G. R. Rosher, N. B.	A.M. M.
Mansfield, F. Mindo, A. W.	M.	Hall, T. B.	M.	Rowland, J. D.	A.M.
Needham, C. A.	A.M.	Heaton. C.	M.	Rowledge, A. J.	A.M.
Owens, P. R.	M.	Hicks, F. G.	A.M.	Rowledge, A. J. Shackleford, W. C.	M.
Proudman, S. S. T.	G.	Hillhouse, J. P.	G.	Shortt, R. C.	A.M.
Shaw, J.	M.	Hipkins, W. E. Hudson, E. V.	M.	Simms, C. E.	A.M.
Smith, J. R.	M.	Hudson, E. V.	A.M.	Simpson, F. D.	G.
Speakman, E. M. Wilson, A. C.	A.M. M.	Inniss, J. J.	M. A.	Smith, A. J. Smith, J.	A.M. M.
Wyld, W.	M.	Jackson, E. James-Carrington,		Somers F.	A.M.
	-		A.M.	Somers, F. Somers, W. Steven, J. D.	M.
Birmingham-	~	Jefferiss, T. Jeyes, C. F.	M.	Steven, J. D.	M.
Alleut, E. A.	G.	Jeyes, C. F.	A.M.	Stevenson, J. L. C.	A.M.
Anderson, E. W.	M. M.	Johnson, P. S. Jolly, C. E.	A.M. M.	Stevenson, J. L. C. Suffield, F. W. Summerfield, R. D.	A.M.
Astoury, A. J. Aston, J. W. Awdry, W. L. Baguley, E. E. Bamford, J. T. Barker, T. P.	M.	Jones, E.	M.	Tangye, G.	M.
Awdry, W. L.	M.	Jones, F.	M.	Tangye, H. L.	M.
Baguley, E. E.	M.	Jones, H. S. Jones, L. A.	G.	Tonorro I	M.
Bamford, J. T.	G.	Jones, L. A.	A.M.	Tangye, J. H. Taunton, R. H. Taylor, D. F.	M.
Barker, T. P.	M.	Keav. J.	M.	Taunton, R. H.	M.
Barrow, L. Bayliss, T. R.	M.	Keen, A. Keen, F. W.	M.	Taylor, D. F.	A.M.
Bayliss, T. R.	M. M.	Keen, F. W.	M.	Taylor, J. S. Temple, S. H.	M. G.
Beck, A. E. Beeching, F. W.	A.M.	Kenrick, A., Jun. Ketley, C. B. Lakin-Smith, C.	A.M.	Thornbery, W. H.	M.
Bellingham, B.	A.M.	Lakin-Smith C	A.M.	Titley, A.	M.
Belliss, J.	M.	Lane, N. A.	A.M.	Trafford, A.	M.
	A.M.	Lane, N. A. Law, H. C.	A.M.	Trafford, J. P.	A.M.
Boultbee, H. A. Boulton, P. R.	A.M.	Lawrence, M. R.	M.	Turner, A.	M.
Brown, C.	A.M.	Lea, F. M.	M.	Vickers, E. J. Wade, F. R.	A.M.
Brown, E. G.	A.M.	Lea, H.	M.	Wade, F. R.	A.M.
Brown, Capt. F. A. V	A M	Lockwood, J. E. S.	G.	Walker, T. F.	M. M
Burgess, G. H. Burstall, Prof. F. W	M.M.	Mackintosh, D. G. Madeley, C.	A.M. M.	Walker, Z., Jul.	M.
Carr, J. J. W.	A.M.	Mapplebeck, E.	M.	Warden W. E.	M.
Carrington, G.	A.M.	Marks, A. P.	A.M.	Walker, Z., Jun. Wall, C. H. Warden, W. E. Warner, F. G.	A.M.
Cootlo E	A.M.	Marks, E. C. R.	M.	Wearing, J. E.	M.
Causer, W. G. Challen, S. W. Challen, W. B. Charnock, J. A.	M.	Martin E	A.M.	Wheeler, P.	M.
Challen, S. W.	M.	Mercer, G. H.	G.	Whitehouse, A.	A.M.
Charpools I	M.	Miller, W. P.	A.M.	Whitehouse, E.	G.
Chatwin, J.	A.M. M.	Mercer, G. H. Miller, W. P. Mitton, E. M. Mitton, T. E.	M.	Wiseman, A. Worsey, J. R. Worsley, P. J., Jun. Wright, W.	M. A.M.
Clark W. F	M.	Moreom E I.	A.M.	Worsley P I Inn	M.
Clarke, E. F.	M.	Moreom, E. L. Moreom, R. K.	M.	Wright W.	M.
Clark, W. F. Clarke, E. F. Collyer, P. N.	A.M.	Morton, A. H.	M.	Yates, H. J.	M.
Conaty, G.	M.	Morton, A. H. Muntz, Sir G. A.	M.		
Cox, J. Cross, W. M.	M.	Nasmith, J. Naylor, J. W.	A.M.	Bishop's Waltham-	G.
Crossley J.	A.M.	Naylor, J. W.	A.M.	Woods, E. W.	G.
Crossley, J. Currall, E. P.	A.M.	Nettlefold, G.	A.M.	Blackburn-	
Cuthbert, H. P.	A.M.	Nicholson, A. Nien, C. K.	A.M.	Airev. W. W.	A.M.
Dale, R. D.	A.M.	Norton, A.	A.M.	Coddington, Sir W.	М.
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Dickinson, R. H.	M.	Pardoe, H.	M.	Thom F	A.M.
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Douglass, A. E. Dowson, E. A. Dugard, W. H.	A.M. A.M.	Parsonage, W. R.	A.M.	Twelvetrees, G. H.	
Dugard W H	M.	Pedley, H. I. Pendlebury, C.	M. M.		
Edwards, A. E. A.	M.	Perry, G.	A.M.	Blackpool—	A.M.
Engholm, A. G. Essery, T. H. Everitt, N. H. Foster, J. S.	A.M.	Phelps, G. I. de B.	A.M.	Challoner, F. B. Furness, C.	M.
Essery, T. H.	G.	Piercy, G. F.	M.	Skinner, G.	A.M.
Everitt, N. H.	M.	Piercy, G. F. Pinfield, W. V.	A.M.		********
Foster, J. S.	M.	Pitt, J. D.	A.M.	Blyth—	1.35
	A.M. M.	Plant, G.	A NE	Baldwin, C. E.	A.M.
Gibson K. I	G.	Priort C S	A.M.	Bodmin-	_
Gibbins, R. C. Gibson, K. J. Green, F. W.	A.M.	Porter, R. C. Priest, C. S. Prior, J. D. Pullin, J. A. Reeve, E.	G.	King, H. H.	G.
Greenwood, F. G.	A.M.	Pullin, J. A.	A.M.	Bolton-	
Greenwood, V. E.	A.M.	Reeve, E.	G.	Berry, F.	A.M.
Grew, F. H.	G.		A.M.	Berry, F. Bromiley, W. J.	M.
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Griggs, W. J. Guest, G. N.	A.M.	Reynolds, A. M. Richey, W. F. A. Robey, E. W.	A.M.	Bruckshaw, H. S. Bull, R. F.	A.M.
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Bolton (cont.)-		Bridgwater-		Bromley, Kent-	
Chatwood, S. R. Cottrill, J. O.	M. M.	Wills, F.	M.	Anthony, R. E. Bremner-Davis, W	A.M. . J.
Cryer, J. W. Dobson, B. P.	A.M. A.M.	Bridport-	A.M.	Brown, A. M.	A.M. M.
Hardman, F.	A.M.	Harris, H. N.	A.M.	Catmur, T. S.	A.M. G.
Harwood, R. Hill, H.	M. A.M.	Brighouse Woodhouse, R.	M.	Clutterbuck, H. C. Greenhill, T. A. Jones, T. M.	M.
Hudson, J. G. Jones, C. F.	M. M.	Brighton-		Jones, T. M. Larkin, L.	A.M. G.
Hudson, J. G. Jones, C. F. Leach, F. Leach, R. B. Mitchell, T., Jun. Musgrave, F. E. Musgrave, W. M. Bieberdsen H.	G. A.M.	Bennett, M. H.	A.M.	Lazenby, A. Powell, L. H.	M. A.M.
Mitchell, T., Jun.	A.M.	Broughton, H. H. Field, B. K.	A.M. M.	Broseley—	21,01,
Musgrave, F. E. Musgrave, W. M.	M. M.	Giffard, G. C. Hide, W. D. Hill, F. A.	G. G.	Garrard, G. M.	M.
Richardson, H. A. Rothwell-Jackson	M.	Hill, F. A.	G. M.	Brough, Yorks-	a
H. L.	M.	Hill, R. A. Johnston, J.	M.	White, P. J.	G.
Ryder, G. A. Taggart, W. S.	M. M.	Marsh, D. E.	M. M.	Bungay— Buckham, E. H.	A.M.
Taggart, W. S. Taylor, F. Wood, H.	A.M. M.	Morris, E. L. Smith, Col. S. G. D.	M. M.	Buntingford -	
Wood, W. J. H.	A.M.	Wyles, D. D.	MI.	Page, D.	A.
Boston-		Bristol-	M.	Burgess Hill-	G.
Clarke, G. E. Lovell, S. G.	A.M.	Adlam, E. G. Allen, W.	G.	Isted, W. D.	G.
Bournemouth-		Baber, S. E.	A.M. A.M.	Foulds, J. R.	A.M.
Bulfin, I.	M.	Batta, W. C.	G. A.M.	Starkie, J. E.	A.M.
Cook, J. J. Crohn, F. W.	M. M.	Brander, J.	G.	Burslem-	M.
Groundwater, S.	A.M.	Brecknell, H. Butler, G. H.	M. A.M.	Jones, E.	741.
Richmond, H.	A.M.	Coates, A. F.	A.M.	Burton-on-Trent- Daniel, E. F.	M.
Bourton- Rankin, E. A.	A TAT	Cooksley, A. Coyle, J. W.	A.M.	Dommen, E. Golledge, W. T. Hatton, J.	A.M. A.M.
	A.M.	Ellery, H. G. Evans, M. T.	M.	Hatton, J.	A.M.
Box, Wilts.— Philip, W. L.	M.	Farquhar, E. E. J.	M. A.M.	Phillips, W. H. Pringle, P. J.	A.M. M.
1 mmp, 11. 12.	III.	Fedden, A. H. R.	G. M.	Smith, J.	M.
Bracknell— Nugent, C. E.	A.M.	Fripp, S., Jun.	A.M.	Thornewill, R. Thornley, G.	M. M.
rugelle, O. E.	A.H.	Farquhar, E. E. J. Fedden, A. H. R. Ferrier, Prof. R. M Fripp, S Jun. Gordon, V. Hosegood, T. P. Humpage, T.	A.M.	Watson, J. B.	M.
Bradford— Bent, W.	A.M.		M. A.M.	Bury, Lanes.— Hall, O. S.	M.
Charnock, Prof. G.	F. M.	Jones, F. G. Livermore, A. E.	A.M.	Peregrine, W. H.	A.M.
Clapham, J. P. Croft, F.	A.M.	Macdonald, J. T. S. Mogg, H. H.	M. A.M.	Rees, J. H. B. Riley, F.	A.M.
Croft, F. L.	M.	Montague, G.	A.M.	Taylor, T.	A.M.
Dean, J. Dews, J. W.	M. A.M.	Munro, Prof. J. Olver, W. H.	M. A.M.	Buxton-	A.M.
Ellis, A. D. Ellis, H. S.	M. A.M.	Osborn, J. L.	A.M. M.	Hockley, N. J.	л.ш.
Foster, E. H. Foster, H. A.	A.M.	Parkinson, H. C. Peacock, J. F.	A.M.	Gill, R. D.	A.M.
Foster, H. A. Hewitt, A. E.	M. A.M.	Peckett, T. Peet, W. G.	M. M.	Keast, J. C. Nettle, H.	A.M.
Hewitt, A. E. Hinchliff, H. W. Homersham, T. H.	A.M.	Phillips, W.	M.	Rowe, J.	A.M.
	A.M.	Rioch, R. J. Robarts, G. F. W.	A.M.	Cambridge-	M.
Metcalf, A. T.	A.M. M.	Somerville, L.	A.M.	Darwin, H. Hoff, E. J.	A.M.
Nutter, H. N.	A.M.	Soyres, B. de Stagg, W.	M.	Hopkinson, Prof. 1	B. M. A.M.
Patchett, J. H. Rycroft, J. E.	A.M.	Strong A (+	A.M. M.	Johnson, F. W. Lack, C. T.	A.M.
Metealf, A. T. Morley, H. W. Nutter, H. N. Patchett, J. H. Rycroft, J. E. Smith, W. H. Stringer, B.	M.	Thompson, J. R. Thomson, W. Watson, F. R. B.	M.	Moores, R. G.	A.M.
Waring, H.	A.M. G.	watts, J.	A.M. M.	Canterbury— Burge, F.	G.
Weaver, W. G. Whittaker, F. W.	A.M. M.	Westley, C. B. Wild, B.	M. A.M.	Carlisle—	
Wigglesworth, F.	A.M.	Williams, C.	A.M.	Dove, J. C.	M.
Bridgnorth-		Broadstairs-		Fratchitt, J.	M. M.
Browning, R. H.	A.M.	Higginson, F.	A.M.	Pratchitt, W. M.	A.M.

Carnforth— Worsdell, T. W.	M.	Chippenham— Adams, A. E.	A.M.	Cradley Heath— Cowdell, H. C.	M.
Caterham- Kensington, F.	M.	Hathaway, N. S. Chislehurst—	A.M.	Craven Arms— Smythe, A. T.	A.M.
around and a t	-	Robinson, F. A.	M.	omy one, at a.	Zitelie.
Chalfont— Lake, C. S.	A.M.	Chorley— Oxbrow, C. E.	A.M.	Crayford— Heath, G. W.	M.
Charlton-	G.	Clacton-on-Sea-	A.III.	Crewe-	
Walters, E. A.		Everitt, H. W.	A.M.	Barnes, E. E.	G.
Chatham— Adams, Capt.W. H.	A.M.	Francis, A. S.	A.M.	Brown, F. A. Eaton-Shore, G.	G. M.
Cornish, Eng. Capt	L. Die	Clevedon— Pye, J. H.	A.M.	Goodeve, T. E. Ingoldby, E.	A.M. G.
Hitchcock, G. E. V Kitchin, W. A. Little, Eng. RrAd	A.M.	Clitheroe-		Ingoldby, E. Ivatt, H. G. Jones, E. P.	G.
	M.	Johnson, J. W.	M. M.		
Rundall, Capt. C. I	A.M.	Wingate, A. W.	ML.	Cromer—	A TAT
Schoeberlein, F. Willsteed, C. W.	A.M.	Coalbrookdale-		Bentley, C. W.	A.M.
		Norris, W. G.	M.	Croydon-	
Chatteris— Esson, J.	M.	Colchester-		Bellamy, C. G. H.	G.
		Atkins, H. F.	A.M.	Bromwich, B. A. Burr, J. W.	G. A.M.
Cheadle, Cheshire-	_ M.	Dawson, G. P.	M.	Cabena, R. H.	A.M.
Hobson, J. E.	Ш	Ivey, S. F. Paxman, J. N.	G. M.	Cromb A C	M.
Cheddar-	3.0	Short, W. L. E.	M.	Crow, S. H. Dell, F. A. B.	G. A.M.
Metcalfe, A. W.	M.				M
Chelmsford-		Colne— Richmond, W. P.	A.M.	Harris, H. B.	A.M.
Clarkson, T.	M.	Rushworth, G. W.		Hodson, F. H.	A.M.
Dewhirst, J. MacCallum, A. H.	A.M.			Morgan, W. H.	A.M. G.
Entro O total Onling Day 1840	A.M.	Congleton—	AT	Harris, H. B. Hodson, F. H. Housman, R. F. A. Morgan, W. H. White, T. H.	A.M.
Ch -14 h		Goodfellow, G. B.	M.	_	
Cheltenham— Ormerod, R. O.	M.	Consett-		Dagenham— Ingle, H. E.	A.M.
Phillott, G. H.	A.M.	Scott, J.	M.	Williams, A. E.	M.
Player, J.	M.	Corbridge-on-Tyne	-		
Whitby, A. G.	M.	Mail, J. S.	G.	Darlington— Bacon, E. L.	A.M.
Chester-		Reay, E.	A.M.	Baister, C.	M.
Allan, A. B.	A.M.	Coventry-		Coates, A.	M.
Britton, S. E. Ellington, N. B.	M. A.M.	Bennett, A. E. Bird, W. H.	M.	Dalkin, G. R. Hill, S. F.	G. A.M.
Ellis, J. J.	·G.	Bird, W. H. Bramley T B.	M. M.	Macleod-Carey, A	. W. J.
Ellis, J. J. Haswell, J. F.	A.M.	Bramley, T. B. Bullock, W. E.	M.		A.M.
Hobbs, U. J.	M. M.	Burnside, F. I. M.	A.M.	Moberly, J. E. Raven, V. L. Stamer, A. C.	M. M.
Johnson, W. P.	G.	Clark, H. C. Clayton, J.	A.M. M.	Stamer, A. C.	M.
Hobbs, C. J. Hogarth, T. O. Johnson, W. P. Mansfield, A.	M.	Craig, A.	M.	Warren, J. G. H.	M.
Roberts, P. R. Thornton, F. W.	A.M. M.	Craig, A. Grew, F. W.	M.	Dartford-	
Inormon, I	24.	Harmer. O. Heath, J.	M. G.	Aitken, A. J.	G.
Chesterfield-	2.5	Herbert. A.	M.	Brier, H.	M.
Benson, W. H. Clark, G.	M. M.	Herbert. A. Hilton, N. L. Holroyd, V. A. Lea, R. H.	A.M.	Carter, H. H.	A.M. G.
Clements, F.	A.M.	Holroyd, V. A.	A.M. M.	Greenfield, A. Guthrie, A. G.	G.
Gandy, F.	M.	Martin, P.	M.	Hesketh, E.	M.
Hopkinson, A.	G. M.	Mook T	M.	Hodsdon, G. C.	A.M. G.
Pilkington, H. Robinson, T. H. Rushworth, D. Smales, T.	A.M.	Meyer, T. B. Milburn, J.	A.M. M.	Morgan, F. J. Pratten, F. E.	M.
Rushworth, D.	A.M.	Napier, J. S.	M.		
Smales, T.	M.	Napier, J. S. Pugh, C. V. Pugh, J. V.	M.	Dartmouth—	222
Chester-le-Street-	-	Robinson - Embur	M.	Taylor, Eng. Com C. G.	м.
Wood, Sir L.	M.	Robinson - Embur Capt. R. P.	M.		
Chichester-		Rogers, W. I. Vernon, P. V.	A.M.	Darwen— MacIvor, A.	M.
Pye, T. E.	A.M.	Whitehead, T. R.	M. M.	ILLOUI, VOI, IL.	MI.
		_	ш.	Derby-	
Chingford—	A.M.	Cowes— Carnt, E. C.	34	Acfield, W. C.	M. M.
Haler, P. J. Tubbs, W. E.	A.M.	Forster, A.	M. A.M.	Aiton, J. A. Atherton, W. H.	M.

Dowley (cont)		Dover-		Evesham-	
Derby (cont.)— Bain, D. Beil, F. Beil, J. F. Bird, H. H. Cantrill. W. L. Caton, W. E. Conradi, C. G. Cooper, T. Fowler, H. Geach, L. C. Goodechild. W. C.	M.	Ball, C. S.	A.M.	Chettle. N.	G.
Bell. F.	A.M.	Barnes, J. J.	G.	Munyard, A. W.	A.M.
Bell, J. F.	M.	Downs, C. S.	M.		
Bird, H. H.	G.			Ewell-	2.5
Cantrill, W. L.	M.	Dudley-		Davey, H.	M.
Caton, W. E.	A.M. A.M.	Chambers, E. J.	M.	Exeter-	
Cooper T	G.	Fletcher, J. E.	M.	Clapham, F. T.	A.M.
Fowler H	M.	Green, H. Hurd, M.	М. А.М.	Grove, H.	A.M.
Geach, L. C.	A.M.	Spooner, A.	G.	Hodges, M. H.	M.
	М.	Dp00201, 111	٠.	Ingram, S.	M.
Guest, C. H.	M.	Dukinfield-		Malthus, R.	A.M.
Haslam, Sir A. S. Haslam, W. G.	M.	Adey, J. A.	M.	Pickering, W. S.	A.M.
Hasiam, W. G.	M. M.	Oldham, F.	M.	Rew, R. J. Simpson, S.	A.M.
James, T.	M.	Oldham, T.	M.	Toms, R.	A.M.
Jones, C. H.	M.				221224
McCallum, P.	G.	Earls Colne—		Falmouth— Bullmore, F. C.	
McLaren, R. L. Osborne, T. P. Paget, C. W.	M.	Hunt, F.	A.M.	Bullmore, F. C.	A.M.
Osborne, T. P.	M.	Eastbourne-		Cox, H. H. Stephens, C. R. Taylor, S. L.	M.
Paget, C. W.	м.	Rowen C W	A.M.	Stephens, C. R.	M.
Parsons, J. Peet, J.	G. M.	Bowen, C. W. Castle, F.	M.	Taylor, S. L.	A.M.
Pettigrew I C	A.M.	Park, C. A.	M.	Farnborough-	
Pettigrew, J. C. Rosevere, R. G. Royce, F. H.	A.M.	Rodda, J. T.	A.M.	Garland, F. J.	M.
Royce, F. H.	M.	Sands, H.	M.	Sutton, F. B.	A.M.
Rudder, F. P.	M.	Walker, T. A.	A.M.		
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Smith, R. W.	G.	Eastleigh— Drummond, D.	M.	Mayhew, LtCol.	M.J. A.
Smith, W.J.	A.M.	Hunter J A	M.	Vorrangham	
Smith, R. W. Smith, W. J. Spinney, R. D. Surtees, H. W.	A.M. M.	Hunter, J. A. Mercer, I. E. Urie, R. W.	G.	Faversham— Semark, C. H.	A.M.
Whitehead, R. D.	A.M.	Urie, R. W.	M.	Shaw, A. T.	G.
Woolliseroft, G. W.	M.				٠.
Worthington, W. B	. M.	Eccles-		Felixstowe-	
		Bennis, A. W.	M.	Gort, A. H.	G.
Dereham—		Broughton, F.	A.M.	,	
Jewson, H.	A.M.	Russell, A. C., Jun.	G.	Felsted—	
Downwant-		Edenbridge-		Morgan, D. H.	A.M.
Clarke, G. P.	G.	Ewing, J. A.	M.		
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Penrose, P. O.	G.	Edgware—	-	Tulip, S.	M.
Dodridge, F. Penrose, P. O. Steed, E. A.	G.	Rose, F. C.	G.	Floatswood	
		Elland		Fleetwood— Boyd, H.	A.M.
Devoran-	4 75	Elland— Lumb, L.	A.M.	Foster, S.	A.M.
Visick, C.	A.M.	1111110, 11.	21.21.	Robertson, J. A.	A.M.
Dewsbury-		Elstree-			
Woodhouse, W. B.	A.M.	Braithwaite, C. C.	M.	Folkestone-	
					A.M.
Doncaster-		Eltham—	а	Hesketh, T. Mumford, C. E.	M.
Bazin, J. R.	A.M.	Roberts, E. G. L.	G. G.	Niehols, A. E.	A.M.
Cole, C. E.	A.M.	Williams, H. L.	G.		
Dove, G.	M.	Enfield-		Forest Row-	4 35
Drury, H. W. C.	A.M. M.	Carnegie, F.	M.	Lucas, R.	A.M.
Gresley, H. N. Ivatt, H. A. Krönig, H. H. G. Meredith, J.	M.	Flynn, A. E.	G.	Warne	
Krönig, H. H. G.	G.	Hunt, H. F.	G.	Frome— Beare, H. H.	A.M.
Meredith, J.	M.	T		Deare, II. II.	Zielle.
Murray, A. Parker, J. H.	A.M.	Epsom— Holmström, C. A.	M.	Gainsborough-	
Parker, J. H.	M.	Holmstrom, C. A.	III.	Barr. H. F.	G.
Webster, F. J.	M. M.	Erith-		Bramwell, E. C.	G.
Wintour, F. York, R. S.	A.M.	Bettany, J. T.	M.	Clarke, A. V.	A.M.
A. O'A ang A.Vs 104	A STATE OF	Mason, H. R. May, C. R. Neagle, W. Parkin, T.	G.	Clarke, A. V. Collitt, S. Cook, F. W. Cribb, F. J.	G.
Dorchester-		May, C. R.	M.	Cook, F. W.	G.
De Mattos, J. H.	M.	Neagle, W.	A.M.	Lordolo I I H	M. G.
Daulaine		Pemberton, A.	A.M.	Loxdale, J. J. H. Marshall, H. D.	M.
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Blaker, W. H.	A.M.	Whitmore, F. L.	M.	Newell, E.	M.

Gateshead-		Guildford-		Haves Middy	
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Jackson, A.	M.	Child, P. D. Lloyd, W. E.	A.M.		
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Woodeson, W. A.	M.	Butler, J.	M.	Channon, P. P.	A.M.
,		Campbell, H.	M.	Martin, F.	A.M.
Glossop-		Gledhill, A. H.	A.M.	Elen om, r.	2 health.
Sharpe, T. W.	M.	Gledhill, G.	G.	Wadmanfand	
		Gledhill, G. Greaves, L. V. Hadwen, F. W.	A.M.	Hednesford-	M.
Gloucester-		Hadwen, F. W.	A.M.	Bumsted, F. D.	M.
Fielding, J.	M.	Hardy, J. H.	A.M.	Chandler, N.	
Fox. S. A.	A.M.	Marsden, W.	A.M.	Williamson, R. S.	A.
Goold, W. T.	M.	Hardy, J. H. Marsden, W. Marshall, L.	M.		
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Sisson, A. W. Sisson, W. Thomas, J. V.	M.	Shaw, T. R.	A.M.		
Sisson, W.	M.	Snoxell, G. E.	M.	Hertford—	
Thomas, J. V.	A.M.	Stirk, G.	M.	Wickham, W. C.	G.
Weaver, H. J.	M.	Thomas, F. W.	M.	,	
		Widdowson, E. L.	A.M.	Hetton-le-Hole-	
Godalming-		Winter, N. F. S.	G.		M.
Gordon, H.	G.			Lishman, T.	Mr.
,		Halstead-		***	
Goole-		Hawkins, E. S.	A.M.	Heywood-	0
Bradley, C. G.	A.M.	Hampton Wiels		Howarth, J.	G.
		Hampton Wick— Cash, E. W.	M.		
Gosport-		Spicer, F. L.	A.M.	Highbridge-	
Skelton, Eng. Com	m.	Spicer, r. 12.	21.111.	Andrews, H.	G.
R. W.	M.	Hanley-		Whitaker, A.	M.
		Smith, T. J.	A.M.		
Grantham-	-	and the same of th		Hitchin-	
Bellamy, A. R.	M.	Harlow-		Innes, A. M.	A.M.
Dalby, W. E.	A.M.	Jones, F. H.	A.M.	Spencer, A. L. H.	A.M.
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Meyjes, A. C. D.	G.	Harpenden-			
Roberts, D.	M.				
		Deeley, R. M.	M.	Horeham Rd., Suss	ex-
Wood, F. J.	G.	Deeley, R. M.	М.	Horeham Rd., Suss English, T. M.	ex- M.
Wood, F. J.		Harrogate-		English, T. M.	ex— M.
Wood, F. J.  Gravesend—	G.	Harrogate— Fuller, E. W.	A.M.	English, T. M. Horley—	М.
Wood, F. J.	G. 7. E.	Harrogate— Fuller, E. W.	A.M. M.	English, T. M.	<b>ех</b> — М.
Wood, F. J.  Gravesend— Bingham-Gadd, W	G. 7. E. G.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H.	A.M. M. A.M.	English, T. M.  Horley— Crouch, H.	М.
Wood, F. J.  Gravesend— Bingham-Gadd, W Burt, J. W. E.	G. 7. E. G. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D.	A.M. M. A.M. G.	English, T. M.  Horley— Crouch, H.  Horsham—	M. G.
Wood, F. J.  Gravesend— Bingham-Gadd, W Burt, J. W. E. Doust, J.	G. G. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H.	A.M. M. A.M. G. A.M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M.	M. G.
Wood, F. J.  Gravesend— Bingham-Gadd, W Burt, J. W. E. Doust, J. Glenday, C.	G. G. A.M. G. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D.	A.M. M. A.M. G.	English, T. M.  Horley— Crouch, H.	M. G.
Wood, F. J.  Gravesend— Bingham-Gadd, W Burt, J. W. E. Doust, J. Glenday, C.	G. G. A.M. G. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.	A.M. M. A.M. G. A.M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.	M. G.
Wood, F. J.  Gravesend— Bingham-Gadd, W Burt, J. W. E. Doust, J. Glenday, C. Goodvear, W. Jeff, W.	G. G. A.M. G. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Grouch, H.  Horsham— Gook, H. M. Usherwood, T. S.	M. G. A.M. A.M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R.	G.  7. E. G. A.M. G. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W.	M. G. A.M. A.M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H.	G. G. A.M. G. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R.	M. G. A.M. A.M. A.M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H.	G. G. A.M. G. A.M. A.M. A.M. M. G.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Grouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M.	M. G. A.M. A.M. A.M. A.M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P.	G. G. A.M. G. A.M. A.M. A.M. M. M. G. M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool—	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W, Billington, J. R. Gass, E. M. Gibson, D.	M. G. A.M. A.M. A.M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H.	G. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H.	M. G. A.M. A.M. A.M. M. A.M. A.M. A.M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P.	G. G. A.M. G. A.M. A.M. A.M. M. M. G. M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Grouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G.	M. G. A.M. A.M. A.M. A.M. A.M. M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.	G. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D.	M. G. A.M. A.M. M. A.M. M. A.M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays—	G. 7. E. G. A.M. (G. A.M. A.M. A.M. M. M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V.	A.M. M. A.M. G. A.M. M. M. M. M.	English, T. M.  Horley— Grouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G.	M. G. A.M. A.M. A.M. A.M. A.M. M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L.	G. 7. E. G. A.M. G. A.M. A.M. M. M. M. M. A.M. A.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B.	A.M. M. A.M. G. A.M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.	M. G. A.M. A.M. M. A.M. M. A.M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L.	G. 7. E. A.M. G. A.M. A.M. M. G. M. A.M. A.M. A	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.	A.M. M. A.M. G. A.M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow—	M. G. A.M. A.M. A.M. A.M. M. A.M. M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A.	G. 7. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.	A.M. M. G. A.M. M. A.M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.	M. G. A.M. A.M. M. A.M. M. A.M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L.	G. 7. E. A.M. G. A.M. A.M. M. G. M. A.M. A.M. A	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornun, J. R.  Harwich— Blenkinsop, J. N.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shaweross, G. N.  Hounslow— Eborall, A. C.	M. G. A.M. A.M. A.M. A.M. M. A.M. M. A.M. M.
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Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern—	G. Z. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, J. D. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinson, J. N. Wolsey, W. G.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shaweross, G. N.  Hounslow— Eborall, A. C.	M. G. A.M. A.M. A.M. A.M. M. A.M. M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff. W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peacl	G.  7. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W, Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.	M. G. A.M. A.M. A.M. A.M. M. M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern—	G. Z. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. A.M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield—	M. G. A.M. A.M. A.M. M. M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willia, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.	G.  7. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, J. D. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinson, J. N. Wolsey, W. G.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield—	M. G. A.M. A.M. A.M. A.M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodvear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.  Great Yarmouth—	G.  G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M. A.M. A.M	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.	A.M. M. A.M. G. A.M. M. M. M. M. M. M. A.M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W.	M. G. A.M. A.M. A.M. A.M. M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peack W. J.  Great Yarmouth— Back, W. H.	G. 7. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.  Hastings—	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shaweross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W. Holmes, P. F.	M. G. A.M. A.M. M. A.M. M. M. M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodvear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.  Great Yarmouth—	G.  G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M. A.M. A.M	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinson, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.  Hastings— Bowen, E.	A.M. M. A.M. G. A.M. M. M. M. M. M. A.M. A.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W. Holmes, P. F. Hopkinson, A. H.	M. G. A.M. A.M. A.M. M. A.M. M. M. M. M. M. M. M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.  Great Yarmouth— Back, W. H. Pertwee, H. A.	G. 7. E. G. A.M. G. A.M. A.M. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.  Hastings—	A.M. M. A.M. G. A.M. M. M. M. M. M. M. M. M. M. M. M. M.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shawcross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W. Holmes, P. F. Hopkinson, A. H. Hopkinson, F. A.	M. G. A.M. A.M. M. A.M. M.
Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodyear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, B. O.  Grays— Burch, F. L. Flinn, S. Hill-Willis, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.  Great Yarmouth— Back, W. H. Pertwee, H. A.  Grimsby— Pryce, W. H.	G. 7. E. G. A.M. A.M. A.M. A.M. A.M. A.M. A.M. A.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.  Hastings— Bowen, E. Ferguson, R. F.	A.M. M. A.M. G. A.M. M. M. M. M. M. A.M. A.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shaweross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W. Holmes, P. F. Hopkinson, A. H. Hopkinson, A. H. Shaw, W. C.	M. G. A.M. A.M. A.M. M. A.M. M. M. M. M. M. M. M. M. A.M. M. A.M. M. A.M.
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Wood, F. J.  Gravesend— Bingham-Gadd, W. Burt, J. W. E. Doust, J. Glenday, C. Goodvear, W. Jeff, W. Muirhead, R. Sandford, H. Shields, H. F. H. Taylor, C. P. Thornton, H. H. Wright, R. O.  Grays— Burch, F. L. Flinn, S. Hill-Willia, S. A. Sumner, A. W.  Great Malvern— Stephenson-Peach W. J.  Great Yarmouth— Back, W. H. Pertwee, H. A.  Grimsby—	G.  Z. E. G. A.M. A.M. A.M. A.M. A.M. A.M. A.M.	Harrogate— Fuller, E. W. Jeffreys, E. H. Johnson, H. Maclean, A. D. Newman, K. G. H. Wilkinson, G.  Harrow— Chute, M. L. Woods, A. R. T.  Hartlepool— Cheesman, W. T. McBride, W. Morison, D. B. Robinson, I. V. Wornum, J. R.  Harwich— Blenkinsop, J. N. Wolsey, W. G.  Haslemere— Ellington, G. Godfrey, W. B.  Hastings— Bowen, E. Ferguson, R. F.	A.M. M. A.M. G. A.M. M. M. M. M. M. A.M. A.	English, T. M.  Horley— Crouch, H.  Horsham— Cook, H. M. Usherwood, T. S.  Horwich— Attock, F. W. Billington, J. R. Gass, E. M. Gibson, D. Haigh, J. H. Hughes, G. Jones, A. D. Shaweross, G. N.  Hounslow— Eborall, A. C.  Howden— Briggs, J. H.  Huddersfield— Broadbent, W. Button, J. W. Holmes, P. F. Hopkinson, A. H. Hopkinson, A. H. Shaw, W. C.	M. G. A.M. A.M. A.M. A.M. M. M. M. M. M. M. M. A.M. M. A.M. A.M. A.M. A.M. A.M. A.M. A.M. A.M.

Hull-	3.5	Jarrow-	20	Leeds (cont.)-	2.5
Blackith, F.	M.	Reed, J. W.	M.	Bowler, T. Brown, B. H.	M.
Brodrick, W. H. Cooper, W. Dunkerley, H. Groves, W. R. Harrison, R.	M.	FF - 1 - 3 1		Brown, B. H.	A.M.
Cooper, W.	M.	Keighley-		Buckley, P.	A.M.
Dunkerley, H.	M.	Clapham, T. A.	A.M.	Buckley, P. Butler, E. Butler, H. M.	M.
Groves, W. R.	M.	Darling, J. W.	M.	Butler, H. M.	M.
Harrison, R. Haswell, F. J.	A.M.	Feather, R.	A.	Butterworth, J.	G.
Haswen, r. J.	M. M.	Wanles Commen		Campbell, A.	M.
Jenkin, T. H.		Kenley, Surrey-	35	Campbell, E. W.	A.M.
Johnson, F.	A.M.	Stirling, D. E.	M.	Carr, C. R.	A.M.
Kersey, A. T. J. Litton, F. H.	A.M. M.	Vottoning -		Clark, E. K.	M.
O'Piondan G F	G.	Kettering-	A.M.	Craven, A. D. Daniel, W. Daniel, W. H.	A.M.
O'Riordan, G. F.	M.	Lea, A. H.	A.M.	Daniel, W.	M.
Pearson, F. H.	A.M.	Linnell, A. E. Preston, F. H.	G.	Daniel, W. H.	A.M.
Pearson, G. A. Pudsey, F.	A.M.	Wicksteed, C.	M.	Darby, J. K.	G. M.
Robb, A.	M.	Wicksteed, C.	DI.	Denison, S. Dickinson, H.	M.
Spring, A. L.	A.M.	Kew-		Dixon, W.	A. M.
Stirling M	M.	Arundel, F. D.	A.M.	Drybungh A D	A.M.
Stirling, M. Taylor, W. Walker, E. G.	A.M.	Blake F C	A.M.	Dryburgh, A. P. Dunn, J.	A.M.
Walker F G	G.	Blake, F. C. Deacon, R. W.	M.	Eastwood, W.	M.
White, A. E.	M.	Leitch, D. C.	M.	Expose I H	M.
Wilkinson I	M.	May, H. N.	A.M.	Evers, J. H. Fowler, R. H.	M.
Wilkinson, J. Willatt, W. H. Wilson, T. S.	M.	Watson, J. M.	G.	Goodman, Prof. J.	M.
Wilson T S	M.	Wilson, R. D.	A.M.	Graham I	M.
11 115011, 1. 15.	ALE.	11 115011, 14. 15.	ZIOZIE.	Graham, J. Greaves, W.	M.
Hyde-		Kidderminster-		Green, W. P.	M.
Adamson, D.	M.	Green, B. J.	A.M.	Grover, F.	M.
Adamson, J.	M.			Hamilton G C	M.
Hall, J.	M.	Kingsgate-	3.5	Hamilton, G. C. Hartnell, W.	M.
Leach, H.	A.M.	O'Neill, J.	М.	Hayes, H. C.	A.M.
23000011, 22.		Vinceland Hanefa	nd .	Hetherington, F.	A.M.
Ilford-		Kingsland, Herefo	A.M.	Heydeman, H. G. J	A.M.
Ashwood, H. J.	G.	Gregson, B. P.	A.M.	Hinchliffe, G. W.	A.M.
Carstairs, G. L.	A.M.	Vincela I vinn		Hodgson, H.	A.M.
Child, J.	A.M.	King's Lynn—	A.M.	Holgate, C. H.	M.
Clacher, T.	A.M.	Johnson, B. R.	ZL.ATA.	Holgate, C. H. Holt, R. B.	A.M.
	A.M.	Kingston-on-Than	105	Jackson, T.	M.
Girdwood, W. W. Harris, C. H.	M.		M.	Jackson, T. James, C. W. Jeffreys, E. H. Jennins, H. H.	M.
Harris, C. H.	G.	Anderson, H. W. Edgeome, J. E.	M.	Jeffreys, E. H.	M.
Middleton, R. T.	M.		A.M.	Jennins, H. H.	M.
MOLL, R. J.	G.	Millett, C. W.	A.M.	Johnson, F. A.	A.M.
Myers, J. R.	A.M.	Porr T D	A.M.	Johnson, W. W.	A.M.
Myers, J. R. Scott, W. H.	M.	Parr, T. D. Smith, W. M.	M.	Jukes, J. W.	A.M.
Seabrook, A. W.	M.	Wilson, R. J. W.	G.	Johnson, F. A. Johnson, W. W. Jukes, J. W. Kaye, W. K.	M.
Seabrook, A. W. Shaw, A. H.	M.	, Wilson, 10. 5. W.	۵.	Lambert, H.	M.
Tasker, E. E.	A.M.	Knaresborough-		Lane, F. L.	M.
,		Lawrence, J. P.	A.M.	Lane, F. L. Lawson, F. W.	M.
Ilfracombe-		Lit Wichel, U. 1.	22.22	Lindsley-Sims, A.	W.
Wood, W.C.	M.	Knutsford-			A.M.
		Longridge, R. C.	M.	Lupton, N. D. Lupton, W. W.	A.M.
Ilkley—				Lupton, W. W.	M.
Eames, A. C.	G.	Lancaster-		Marshall, W. C.	A.M.
		Warner, H. M.	A.M.	McGhee, A.	A.M.
Ipswich-				McLaren, H.	M.
Cooper, A.	A.M.	Lapworth-		McLaren, J.	M.
Davies, E. J.	M.	Barker, T. B.	M.	McLaren, J. A. Meysey-Thompson	M.
Hartley, H. A. Horsnaill, W. O. James, H. H. R.	A.M.			Meysey-Thompson	n,
Horsnaill, W. O.	A.M.	Leamington-		A. H.	M.
James, H. H. R.	A.M.	Bousfield, R. M. Burford, H. G. Mell, L. P.	G.	Middleton, R.	M.
Jerreries, H. S.	M.	Burford, H. G.	M.	Musgrave, J. R.	M.
Kidner, A. E.	A.M.	Mell, L. P.	M.	Myers, H. S.	M.
Reavell, W.	M.			Parr, G. D. A.	A.M.
Ripley, P. E.	M.	Leeds-		Reay, T. P.	M.
Kidner, A. E. Reavell, W. Ripley, P. E. Scott, W. L.	A.M.	Airedale, Rt. Hon	. 26	Myers, H. S. Parr, G. D. A. Reay, T. P. Redding, W. Phodes F	A.M.
Thrner, E.	M.	Lord	M.	Tillouce, L.	A.M.
Turner, F. W.	A.M.	Bailie, J. D.	M.	Richardson, J. S.	G.
Unsworth, R. H.	M.	Bain, J. A.	A.M.	Ripley, H.	A.M.
Wilkinson, G. S.	G.	Baxandall, R. F.	A.M.	Shanks, A. T.	M.
Form Dodden		Beaumont, Prof.	R. M.	Sharp, R. G.	M.
Iron-Bridge-	3.5	Bentley, P. Benton, W. J.	A.M.	Smenton, J. W.	A.M.
Parker, T.	M.	Benton, W. J.	M.	Smith W T	A.M.
Islamouth		Berry, H. Blackburn, G. W.	M. M.	Sharts, A. T. Sharp, R. G. Shenton, J. W. Smith, F. H. Smith, W. T. Smyth, E. W.	A.M.
Isleworth—	M.	Pottomley I W	M.	Stewart, C.	A.M.
Beck, E.	III.	Bottomley, J. W.	J.L.	1,00 11 111 11, 01	AAT-1-A

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Leeds (cont.)—	Lincoln (cont.)—		Liverpool (cont.)-	1 35
Sunderland, W. A.M.	Spalding, E. W. Sykes, F. Tritton, W. A.	A.M.	Monkhouse, F. L.	A.M.
Tannett-Walker, A. T.	Sykes, F.	A.M.	Montgomery, C. H. Muckley, W. H. Musker, C. Neachell, E. J.	A.M.
M.	Tritton, W. A.	A.M.	Muckley, W. H.	M.
Taylor, G. S. A.M.	Wans, O.	A.M.	Musker, C.	M.
Towler, A. M.	Wright, G.	A.M.	Neachell, E. J.	M.
Wolker H C A M			Newall, J. M.	M.
Wallis, G. P. M.	Liskeard-		O'Brien, B. T.	M.
		A.M.	Oglethorpe, W. A.	M.
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Watson, J. F. M.	Spear, C. O.	G.	Page, J. H.	M.
Weston, T. W. M.			Panton, J. A.	A.M.
Wicksteed, J. H. Wigram, W. G. Wyvill, F. C.	Littlehampton-		Parry, A.	M.
Wigram, W. G. A.M.	Duke, R. F.	A.M.	Quiggin, D. A.	M.
Wyvill, F. C. M.			Richardson, R. D.	M.
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Lolooston	Anderson, J. W.	M.	Robinson J	M.
Leicester—	Anderson, J. W. Armistead, T. W. Armour, J. G. Atkins, A. H. Atkins, E. A.	M.	Rollo, G., Jun. Royle, J. S. Shield, H. Sington, L. F. S. Sloan, R. A.	A.M.
Atkinson, R. E. M.	Armone I G	M.	Portle I S	G.
Bennion, C. M.	Atlana A H		Shield H	M.
Brooks, J. F. A.M.	Atkins, A. H.	A.M.	Shield, H.	
Gimson, A. J. M.	Atkins, E. A.	A.M.	Sington, L. F. S.	G.
Gimson, H. A.M.		A.M.	Sloan, R. A.	M.
Holloway, J. W. A.M.	Barnard, A. G.	G.	Smith, F. H. Taylor, L. S. Taylor, W.	M.
Keay, J. A. M.	Barnes, J. E. L.	M.	Taylor, L. S.	A.M.
Tombout I C A M	Bayley, G. R.	M.	Taylor, W.	M.
Lambert, J. G. A.M.	Barnard, A. G. Barnes, J. E. L. Bayley, G. R. Beard, W. K.	A.M.	Thompson W P	M.
Peet, H. C. A.M.	Bell, A.	A.M.	Vone W	M.
Pulsford, F. C. A.M.	Dell, A.	A.M.	Thompson, W. P. Vaux, W. Watkinson, Prof.	MI.
Richards, H. W. H. M.	Benington, E. S.		Watkinson, Froi.	3.0
Richards, H. W. H. M. Taylor, W. M.	Bremner, J., Jun. Brew, J. B.	A.M.	W. H.	M.
Wootton, J. M.	Brew, J. B.	M.	Wellsman, C.	A.M.
	Brodie, J. A.	M.	West, C. H.	M.
Yatah Yasaa	Brundrit, J.	M.	Wilkie, J. B.	M.
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Sutcliffe, E. R. A.M.	Buckwell, G. W.	M.	Wilson, H. W.	A.M.
Swarbrick, F. G.	Campion, J.	A.M.	Wiswall, J. W.	A.M.
	Chater, J. R.	M.		
Leighton Ruzzerd-		A TAT	Woodhouse, N.	A.M.
Leighton Buzzard— Brown, E. W. G.	Chaviara, J. N.	A.M.	Wright, F.	A.M.
Brown, E. W.	Cozens-Hardy, E.	H. M.	Wyllie, J.	M.
	Crawford, J. F.	A.M.	Young, F. W.	M.
Leiston-	Dall, J.	M.	Young, F. W.	M.
Leiston— Garrett, F. M.	Dall, J.	M.		м.
Leiston— Garrett, F. M. Garrett, F. Jun. A.M.	Dall, J.	M. A.M.	LONDON—	M.
Garrett, F., Jun. A.M.	Dall, J.	M. A.M. M.	LONDON—	M.
Garrett, F. M. A.M. Oakes, F. B. A.M.	Dall, J.	M. A.M. M. M.	LONDON—	M.
Garrett, F., Jun. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C.	M. A.M. M. M. M.	LONDON—	M.
Garrett, F., Jun. A.M. Oakes, F. B. A.M. Walker, F. E. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F.	M. A.M. M. M. M. A.M.	LONDON—	M.
Garrett, F. M. Garrett, F. Jun. Oakes, F. B. Walker, F. E. A.M. Letchworth—	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F.	M. A.M. M. M. A.M. M.	LONDON—	M. A.M. A.M. M.
Garrett, F., Jun. A.M. Oakes, F. B. A.M. Walker, F. E. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C.	M. A.M. M. M. A.M. M. G.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt. F. E.	M. A.M. A.M. M.
Garrett, F., Jun. A.M., Oakes, F. B., A.M. Walker, F. E. A.M.  Letchworth— Bain, G. M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C.	M. A.M. M. M. A.M. A.M. G. A.M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D.	M. A.M. A.M. M. D. M. G.
Garrett, F., Jun., A.M., Oakes, F. B., A.M., Walker, F. E. A.M., Letchworth—Bain, G., Bullmore, A. W. E. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C.	M. A.M. M. M. A.M. A.M. A.M. M. G. A.M.	LONDON— Abady, J. Abella, J. Ablith, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H.	M. A.M. A.M. M. D. M. G.
Garrett, F. Jun, A.M. Garrett, F. Jun, A.M. Oakes, F. B. A.M. Walker, F. E. A.M.  Letchworth— Bain, G. M. Bullmore, A. W. E. A.M. Harben, G. A. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C.	M. A.M. M. M. A.M. G. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Aeland, Capt, F. E. Adam, H. D. Adams, H. Adams, H.	M. A.M. A.M. M. D. M. G. M. A.M.
Garrett, F., Jun., A.M., Oakes, F. B., A.M., Walker, F. E. A.M., Letchworth—Bain, G., Bullmore, A. W. E. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C.	M. A.M. M. M. A.M. G. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Aeland, Capt, F. E. Adam, H. D. Adams, H. Adams, H.	M. A.M. A.M. M. D. M. G. M. A.M.
Garrett, F., Jun., A.M., Oakes, F. B., A.M. Walker, F. E. A.M.  Letchworth— Bain, G., M., Bullmore, A. W. E. A.M., Wort, W. E. M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E.	M. A.M. M. M. A.M. A.M. G. A.M. M. M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Aeland, Capt, F. E. Adam, H. D. Adams, H. Adams, H.	M. A.M. M. D. M. G. M. A.M.
Garrett, F., Jun, A.M., Oakes, F. B., A.M., Walker, F. E. A.M.  Letchworth— Bain, G., M., Bullmore, A. W. E., A.M., Wort, W. E., M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R.	M. A.M. M. M. A.M. A.M. G. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, S. R. Adams, W. J.	M. A.M. M. D. M. G. M. A.M. A.M.
Garrett, F., Jun, A.M., Oakes, F. B., A.M., Walker, F. E. A.M.  Letchworth— Bain, G., M., Bullmore, A. W. E., A.M., Wort, W. E., M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R.	M. A.M. M. M. A.M. M. A.M. M.	LONDON— Abady, J. Abella, J. Abiltt, E. F. Accles, W. S. Acland, Capt. F. E. Adam, H. D. Adams, H. Adams, H. C. Adams, S. R. Adams, W. J. Adamson, C. J.	M. A.M. M. D. M. G. M. A.M. A.M. A.M.
Garrett, F., Jun, A.M., Oakes, F. B., A.M., Walker, F. E. A.M.  Letchworth— Bain, G., M., Bullmore, A. W. E., A.M., Wort, W. E., M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R.	M. A.M. M. M. M. A.M. G. A.M. M. M. M. M. A.M.	LONDON— Abady, J. Abella, J. Abiltt, E. F. Accles, W. S. Acland, Capt. F. E. Adam, H. D. Adams, H. Adams, H. C. Adams, S. R. Adams, W. J. Adamson, C. J.	M. A.M. A.M. M. D. M. G. M. A.M. A.M. A.M. A.M.
Garrett, F. Jun. A.M. Garrett, F. Jun. A.M. Oakes, F. B. A.M. Walker, P. E. A.M.  Letchworth— Bain, G. M. Bullmore, A. W. E. A.M. Harben, G. A. M. Wort, W. E. M.  Lewes— Gravely, F. V. G.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R.	M. A.M. M. M. M. A.M. G. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, H. C. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G.	M. A.M. M. D. M. G. M. A.M. A.M. A.M. A.M.
Garrett, F., Jun., Oakes, F. B., A.M. Walker, F. E. A.M.  Letchworth— Bain, G. M. Bullmore, A. W. E. A.M. Harben, G. A. M. Wort, W. E. M.  Lewes— Gravely, F. V. Smither, G. F.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R.	M. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt. F. E. Adam, H. D. Adams, H. C. Adams, S. R. Adams, S. R. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G.	M. A.M. A.M. M. D. M. G. M. A.M. A.M. M. A.M. A.M.
Garrett, F. G. A.M. Garrett, F. Jun. A.M. Oakes, F. B. A.M. Walker, P. E. A.M. Letchworth— Bain, G. M. Bullmore, A. W. E. A.M. Harben, G. A. M. Wort, W. E. M. Lewes— Gravely, F. V. G. Smither, G. F. G.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hooper, S. H. Hope, A. Hurt, E. N. R. Lliffe, R. J.	M. M. M. M. M. M. A.M. M. A.M. M. A.M. A.M. A.M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt. F. E. Adam, H. D. Adams, H. C. Adams, S. R. Adams, S. R. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G.	M. A.M. A.M. M. D. M. G. M. A.M. A.M. A.M. A.M. A.M. A.M.
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Garrett, F. Jun. A.M. Oakes, F. B. A.M. Walker, F. E. A.M. A.M. Letchworth—Bain, G. Bullmore, A. W. E. A.M. Wort, W. E. M. M. Lewes—Gravely, F. V. Smither, G. F. G. Limpsfield—Barry, A. P. A.M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Hirst, R. Hoonball, C. R. Hope, A. Hurt, E. N. R. Liffe, R. J. Jones, J. H. Jones, S. P.	M. A.M. M. M. A.M. M. G. A.M. M.	LONDON— Abady, J. Abella, J. Ablitt, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, S. R. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G. Alexander, H. M. Alexander, W. Algar, S. C.	M. A.M. A.M. M. D. M. G. M. A.M. A.M. A.M. A.M. A.M. A.M.
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Garrett, F., Jun, A.M., Oakes, F. B. A.M. Walker, F. E. A.M.  Letchworth— Bain, G. M. Bullmore, A. W. E. A.M., Wort, W. E. M.  Lews— Gravely, F. V. G. Smither, G. F. G.  Limpsfield— Barry, A. P. A.M.  Lincoln— Bell, W. T. Bornemann, J. A. D. M. Colling A. M. M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Honiball, C. R. Hooper, S. H. Hope, A. Hurt, E. N. R. Iliffe, R. J. Jones, J. H. Jones, J. H. Jones, J. H. Jones, J. H. Leitch, A. Leonard, P. Leitch, A. Leonard, P. Lockwood-Bunce	A.M.  M.  M.  A.M.  A.M.  M.  M.  M.  M.	LONDON— Abady, J. Abella, J. Abella, J. Ablith, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, H. C. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G. Alexander, H. M. Alexander, W. Algar, S. C. Allcard, H. Allen, G. H. Allensby, C. R. Allison, T. E. Ames, R. Ames, E. C. Amos, H. C. Amy, P. A.	M. A.M. A.M. G. M. A.M. A.M. A.M. A.M. A
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Garrett, F., Jun, A.M., Oakes, F. B. A.M. Walker, F. E. A.M.  Letchworth— Bain, G. M. Bullmore, A. W. E. A.M., Wort, W. E. M.  Lews— Gravely, F. V. G. Smither, G. F. G.  Limpsfield— Barry, A. P. A.M.  Lincoln— Bell, W. T. Bornemann, J. A. D. M. Colling A. M. M.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Honiball, C. R. Hooper, S. H. Hope, A. Hurt, E. N. R. Iliffe, R. J. Jones, J. H. Jones, J. H. Jones, J. H. Jones, J. H. Leitch, A. Leonard, P. Leitch, A. Leonard, P. Lockwood-Bunce	A.M.  M.  M.  A.M.  A.M.  M.  M.  M.  M.	LONDON— Abady, J. Abella, J. Abella, J. Ablith, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, H. C. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G. Alexander, H. M. Alexander, W. Algar, S. C. Alleard, H. Allen, G. H. Allen, G. H. Allensby, C. R. Allison, T. E. Ames, R. Amos, E. C. Amy, P. A. Anant, S. Anderson, J. R.	M. A.M. A.M. M. G. M. A.M. A.M. A.M. A.M
Garrett, F. M. A.M. Oakes, F. B. A.M. Walker, F. E. A.M. Letchworth—Bain, G. Bullmore, A. W. E. A.M. Harben, G. A. M. Wort, W. E. M. Lewes—Gravely, F. V. G. Smither, G. F. G. Limpsfled—Barry, A. P. A.M. Lincoln—Bell, W. T. Bornemann, J. A. D. M. Chew, L. Collis, A. E. Duckering, C. M. Lewis, F. W. Livens, F. H. M. Misnn, F. L. G. Morris, S. W. G. Perry, F. B. G.	Dall, J. Davenport, J. A. Douglas, J. T. Duff, E. J. Geddes, C. Gill, J. F. Given, E. C. Graham, J. C. Hansom, O. Harland, H. P. Heap, W. Henderson, H. E. Horiball, C. R. Hooper, S. H. Hope, A. Hurt, E. N. R. Hiffe, R. J. Jones, J. H. Jones, J. H. Jones, J. H. Lee, L. J. Leitch, A. Leonard, P. Lockwood-Bunce Macaulay, J. McIvor, B. R. Malley, C. E. A. F. Malley, C. E. A. F.	A.M.  M.  M.  A.M.  A.M.  M.  M.  M.  M.	LONDON— Abady, J. Abella, J. Abella, J. Ablith, E. F. Accles, W. S. Acland, Capt, F. E. Adam, H. D. Adams, H. C. Adams, H. C. Adams, W. J. Adamson, C. J. Alder, J. F. Aldrich, T. G. Alexander, H. M. Alexander, W. Algar, S. C. Alleard, H. Allen, G. H. Allen, G. H. Allensby, C. R. Allison, T. E. Ames, R. Amos, E. C. Amy, P. A. Anant, S. Anderson, J. R.	M. A.M. A.M. M. G. M. A.M. A.M. A.M. A.M
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Moon, E. R. Scott, G. H.	G.	Powell, A. C.	A.M.	Colyer, F.	M
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		Trimnell, L. C. B.	A.M.		
Ponders End-		1111111011, 11. 0. 1.	2214064	St. Albans—	
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Walsall—	190	wright, 1. G.	A.M.	Windsor-	
Boys, S. J.	A.M.	West Bromwich-		Holden, P.	A.M.
Jones, S. D. Owston, W. H. Parker, E. T. Slater, J. G. Standley, G. A.	A.M.	Bunn, C. W.	A.M.	Sainty, C. Taylor, E. Willis, G.	M.
Owston, W. H.	A.M.	James, A. A.	A.	Taylor, E.	M.
Parker, E. T.	A.M.	Kenrick, Sir G. H.	M.	Willis, G.	A.M.
Slater, J. G.	M. G.	Kenrick, J. A.	M.	7771	
Talbot W I	A.M.	Sells, R.	A.M.	Winsford—	M.
Standley, G. A. Talbot, W. J. Walker, J. G.	M.	West Drayton-		Malcolm, G. W.	Att.
Walker, J. G.	ALL.	Goodman, J.	A.M.	Witney-	
*** ***				Young, H. W.	A.M.
Waltham Cross-	A.M.	Westerham-			
Bott, W. S.	A.M.	Ward, J.	M.	Woking-	
Williams, E. J.	A.H.	West Hartlepool-		Homan, H.	M.
		Calvard, F.	A.M.	***	
Walton-on-Thame	s-	Cooke, A. L.	G.	Wolverhampton-	VX7 "M.E.
Clemence, W.	M.	Cooke, A. L. Gibb, M. S.	M,	Berrington, E. E.	A.M.
Hill, A. T.	G.	Williams, J. B.	M.	Dritten, 1.	M.
Hill, J. K.	M.			Criggal J. E.	A.M.
WW 74 41 - 37-		West Malling—	74.6	Down P. B.	A.M.
Walton-on-the-Na	ze— M.	Chittenden, E. B.	M.	Britten, T. Bryce, W. E. Criggal, J. E. Down, P. B. Dumbell, J. B. Fellows, T. E. Fraggett, F.	A.M.
Hughes, G. H.	IVI.	Weston-super-Mar	e	Fellows, T. E.	A.M.
		Gardiner, G. C. W.	A.M.	Froggatt, F. Hanford, R.	A.M.
Warrington-				Hanford, R.	G.
Atherton, T. Bleckly, J. J.	М.	Weybridge-	A TAT	Holdsworth, W.	A.M.
Bleckly, J. J.	M.	Bax, H. E. I.	A.M. M.	Leach, R. W.	A.M.
moughton, w. m.	A.M. A.M.	Morrison, R. P.	A.M.	Lester, W. H.	A.M.
Lord, F.	A.M.	Sharpley, R. Watts, H. W.	A.M.	Holdsworth, W. Leach, R. W. Lester, W. H. Lewis, P. A.	A.M.
Monks, F. W	M.			Podesta, J. J. Price, A. E.	A.M.
Owen, H.	A.M.	Weymouth-	0	Robinson, J. A.	M.
Massey, E. Monks, F. W. Owen, H. Perks, T., Jun.	G.	Hill, F. T. Powell, E. B.	G.	Shawfield, C. E. C.	
Sherratt, F. W.	G.	Powell, E. B.	A.M.	Shepherd, J. H.	A.M.
Taylor, A. E.	G.	Wheathampstead-		Smith, D.	M.
Watson, J.	M.	Stuart, R. J. N.	G.	Stubbs, H.	A.M.
				Thompson, S. J. Trench, W. C. P.	M.
Warwick-	20	Wheatley, Oxon-	0	Trench, W. C. P.	A.M.
Hewlett, A.	M.	Curry, A. D. M.	G.	Twentyman, H. E	. м.

997 - 1 A				*** **	
Wolverton-Abbott, A. E.	A.M.	Woolwich (cont.)—	3.0	Workington (cont.	)- (
Mason, C. L.	A.M.	Roberts, G. H.	M. M.	Spedding, J. W. Williamson, R.	G. M.
22200011, 0. 12,	21.111.	Travis, H. Tripp, G. W.	A.M.	williamson, it.	M.
Wooburn-		zarpp, or	*******	Worthing-	
Harris, W. R. A.	A.M.	Wootton Bridge-		Cannon, A. E.	G.
M 1		Chatfeild Clarke,	L. M.	Stewart, G.	G.
Woolmer-	4.35	Charlend Clarke,	Ada Alla	Wrotham-	
Bradshaw, J. H. P	. A.M.	Wanastan		Bowker, A. F.	M.
Woolwich-		Worcester—	G.		
Angas, A. S.	M.	Abell, C. E. Brettell, J. O.	A.M.	Yeovil—	A 74.5
Barber, G. A.	A.M.	Hinehliff, J. A.	A.M.	Potton D W	A.M.
Brodie, G. W.	M.	Scott-Lindsley, H.	. L.	Hall, S. Z. Petter, P. W. Rowell, J. P.	G.
Carnegie, W. Dean, F. W. C.	M.	• ,	A.M.	Storey, J. E.	M.
Dean, F. W. C.	M.	Seaman, C. J.	M.		2021
Donaldson, H. F.	M. M.	Shaw, C. M.	A.M.	York-	M.
Hall, A. H.	A.M.	Urwick, A. J.	M.	Close, J.	A.M.
Hartley, R. F. Heap, R. D. T.	M.			Creer, A. D. Dow, J. W. Fryer, F. G. Hiller, L.	M.
Humphries, A. Hutchins, F. H. Ledingham, J. M. Lyddon, G. E.	A.M.	Workington-		Fryer, F. G.	A.M.
Hutchins, F. H.	A.M.		G.	Hiller, L.	G.
Ledingham, J. M.	M.	Briggs, J. C. McQuhae, W.	G.	Jalland, G.	G.
Lyddon, G. E.	A.M.	Price, J.	M.	Smeddle, J. H.	M.
Pirie, G.	M.	Sharp, R.	M.	Turnbull, W. A.	A.M.
				-	
		IDEL AND			
		IRELAND	).		
Aughnacloy-		Doagh-		Dundalk-	
Akerlind, G. F.	A.M.	McMeekin, A.	A.M.	Bigger, C.	A.M.
				Clifford, C.	M.
Ballymoney-	3.5			Clifford, C. Denniss, A. W.	A.M.
Bradshaw, G. T. M	I. M.			Manisty, E.	M.
Belfast-		Dublin-		Williams, D. J.	M.
Andrews, T.	M.	Baird, D. G.	M.	Emplementher	
Blackburn, A. A.	A.M.	Blissett, P. T.	A.M.	Enniscorthy—	A.M.
Blackburn, A. A. Brown, A. W. Burke, T. N	A.M.	Challenger, G. R.	A.M.	Davis, T. J.	A.III.
Chambana D M	A.M.	Coey, R.	M.	Larne Harbour-	
Chambers, R. M.	M.	Cronin, R.	M. M.	Sutherland, J.	A.M.
Clarke, T. Cuming, G.	A.M. M.	Cusack, H. E. Dent, C. H.	M.	T	
Davidson, J. S.	M.	Fleischer, P.	A.M.	Limerick-	A BE
	M.	Fradley, H. T.	A.M.	Dutton, C. H.	A.M. M.
Dobson, A.	M.	Geognegan, S.	M.	Gadd, W.	M.
Elliott, G.	M.	Hignett, A. H.	M.	Lee, R. J. Lee, S. E.	M.
Davidson, S. C. Dobson, A. Elliott, G. Ellis, J. G. St. J. Evans, W. Ferguson, W. D. FitzGerald, M. F. Grant, D. J.	G.	Hignett, A. H. Hogg, W. Holliday, J.	G.	1300, 15. 14.	ALE.
Evans, W.	A.M.	Holliday, J.	M.	Moate-	
Ferguson, W. D.	M.	Huteninson, G. V.	V. G.	Goodbody, R.	M.
FitzGerald, M. F.	M.	Jeffcott, H. H.	M.	W	
Grant, D. J. Grant, W. Hurst, C. B.	A.M.	Kennan, W. T.	A.	Monkstown-	M.
Harmot C. D.	A.M.	Kettle, L. J.	A.M.	Walpole, T.	MI.
Kingsmill, V. H.	A.M. G.	Ledwick, G., Jun.	G. M.	Mullingar-	
MacColl, H.	M.	Lilly, W. E. MacGarvey, H.	M.	Thorpe, C. W.	A.M.
Malcolm, B.	M.	Maunsell, R. E. L.	M.		
Moffat, W. G.	A.M.	Miller, J.	A.M.	Newry-	W
Malcolm, B. Moffat, W. G. Moore, T. L.	M.	Monks, P. J.	G.	Hardy, W.	M.
Nicholson, H. P.	M.	Morgan, E. G.	A.M.	Portadown-	
Pirrie, The Right B	Ion.	Pearson, W.	G.	Edwards, J. G. B.	A.M.
Lord	M.	Prideaux, F. G.	A.M.		
Pratten, W. J.	M.	Ridgway, G.	A.M.	Queenstown-	A 3.E
Reynolds, W. F.	M.	Robertson, W. D.	A.M.	Mills, Capt. J. J.	A.M.
Reynolds, W. F. Travers, E. J. Wilson, A. B.	M.	Ross, W.	M.	Raheny-	
	M.	Ryan, Dr. J. Spence, A. W.	M. M.	Cairnes, F. E.	M.
Bessbrook-		Sptcliffe T	A.M.		
Dowell, H.	A.M.	Wakefield, W.	M.	Rathdrum-	4.75
Robertson, G. F.	A.M.	Walthew, J. G.	A.M.	Comerford, E.	A.M.
Cork-		Waring, H.	A.M.	Stranorlar-	
Fearnley, G. W.	A.M.	Warren, F. F.	M.	Livesey, R. M.	M.
Fearnley, G. W. Gray, G. M.	M.	Wayte, H.	A.M.		-
McDride, J. D.	A.M.	Wayte, J. B.	A.M.	Waterford-	1 35
Price, J.	M.	Winekworth, T. E.	A.M.	Tooms, J. G.	A.M.

## SCOTLAND.

Aberdeen-		Edinburgh-		Glasgow (cont.)-	1
Bell, J. A.	M.	Adams, P. W.	A.M.	Davie, J. P.	A.M.
Coutts, D. A. Ewen, J. T.	A.M.		G.	Davison, R.	M.
Ewen, J. T.	M.	Andrews, F. E.	A.M.	Dixon, J.	A.M.
Forbes, D. M Graeme, A. W. S.	M. A.M.	Place F H	M. A.M.	Dixon, W.	M. A.M.
Groundwater, A. G.		Andrews, F. E. Beare, Prof. T. H. Bloor, E. H. Clark, T. A.	M.	Donaldson, J. A. Dowling, W.	G.
Hislop, D. B.	A.M.	Clarkson C	M.	Drummond, G. W.	M.
Horne, A. B.	A.M.	Clarkson, C. Colam, W. N. Crawford, G. W.	M.	Dudin H. W.	M.
Horne, A. R. Jackson, W. Lee, H. T.	M.	Crawford, G. W.	M.	Dudin, H. W. Frazer, J. P.	A.M.
Lee, H. T.	G.	Gibbons, W. G.	M.	Fulton, N. O.	M.
Mitchell, G.	A.M.	Gray, J.	M.	Gaze, E. H. J.	M.
Mowat, T.	M.	Guest, E.G.	A.	Gibson, G. H.	M.
Nicol, R. G.	M.	Gulliver, G. H.	A.M.	Grant, J.	A.M.
Robertson, D.	M.	Guthrie, T.	A.M.	Hall-Brown, E.	M.
Shinnie, P. N.	A.M.	King, C. A.	A.M.	Hamilton, W. D.	M.
Stormont, P. C. Thomson, J. W.	M. A.M.	Lumsden, T. T. M. Purves, W. T. Robson, W. H.	M.	Henderson, R.	A.M.
Thomson, J. W.	А.ш.	Pobson W H	A.M. M.	Holloway, J.	M.
Airdrie-		Shearer W	A.M.	Hyde, P. A. Jacks, T. W. M.	M.
Barelay, A. W.	M.	Shearer, W. Smith, J. W.	M.	Jackson, H. D.	M.
Barman, H. D. D.	M.	Snadden, D. G. Stanfield, Prof. R.	G.	Johnson, A.	M.
Chisholm, J.	A.M.	Stanfleld, Prof. R.	M.	Johnson, A. Jones, J. W. L. Kerr, N.	A.M.
Finlayson, F.	M.	Stevenson, D. A.	M.	Kerr, N.	A.M.
		Sutherland, D.	A.M.	Kirby, E. J.	A.M.
Arbroath-		Taylor, J. T.	A.M.	Kirby, E. J. Knox, R.	A.M.
Fraser, P.	M.	Taylor, J. T. Taylor, W. A. T.	G.	LEICKIE, W. W.	M.
A		Thomson, (7.	M.	Lang, D.	M.
Ayr—	4 75	Wainwright, W. H.	A.M.	Lemkes, C. R. L.	T CA.
Marshall, R.	A.M. A.M.	Wilson, J.	A.M.	Longbottom, Prof.	M.
Sommerville, A.	2.11.	Errol-		Lorimer, A. S.	A.M.
Buckie-		Moody-Stuart, A.	A.M.	MacBrayne, L.	A.
Douglass, P. C. D.	G.	Morton, T. M. G.	M.	MacBrayne, L. Macdonald, F. C.	M.
		amor today at ann Cr	202.0	Macdonald, J.	M.
Carron-		Fraserburgh-		Macfie, W. L.	A.M.
Hamilton, T. F.	A.M.	Bing, H.	M.	McIntyre J. H. A.	M.
				MacKie, W. A.	M.
Coatbridge-		Gartsherrie-	3.5	McNell, J.	M.
McGregor, J.	A.M.	Strathern, A. G.	M.	MacQueen, J.	M.
Smith, J.	М.	Classory		Mellanby, Prof. A.	M.
		Glasgow— Adams, A. C.	A.M.	Menzies, J.	M.
Dumbarton-		Aitken H. W.	M.	Millar, T.	M.
Brown, J. P.	A.M.	Alley, S. E.	M.	Millar, W. P.	A.M.
Paul, M.	М.	Arnold, A. A.	A.M.	Morley, T. B.	A.M.
		Aitken, H. W. Aitken, H. W. Ailey, S. E. Arnold, A. A. Arnot, W. Arrol, Sir W.	M.	Millar, J. Millar, T. Millar, W. P. Morley, T. B. Morton, D. H.	M
Dumfries-	**	Arrol, Sir W.	M.	THOUSEN, IV.	Ne
Wells, G. J.	M.	Aspin, J. Bain, W. N.	M.	Mowbray, A. H. Munro, R. D.	A.M.
D. 1		Bain, W. N.	M.	Munro, R. D.	M.
Dundee-	3.6	Barnes, C.	M.	Neilson, R. M. Nesbitt, A. W. Nesbitt, E. A.	M. M.
Anderson, J. K.	M.	Barr, Prof. A.	M. M.	Nesbitt, A. W.	A.M.
Berry, T. David, G. C.	A.M.	Baxter, G. H. Baxter, P. M. Beale, S. R.	M.	Ness, G.	M.
Douglas, G. C.	M.	Beale S. R.	A.M.	Pettit, H. C.	G.
Greig, J. S.	M.	Beardmore, W.	M.	Pickering, J.	M.
Greig, J. S. King, B. T. L.	G.	Beardmore, W. Biles, Prof. J. H.	M.	Pratt. J.	A.M.
Lindsay, R.	M.	Bower, C. O.	A.M.	Preston, F. K.	M.
Lindsay, W. R.	M.	Bower, C. O. Boyd, J. W.	M.	Reid, A. I.	M.
LOW, W.	M.	Briggs, E. R.	M.	Reid, H.	M
MacDonald, D. J.	M.	Brooks, G.	A.M.	Reid, J.	M.
MacDonald, W. R.				Richardson, J. S.	M.
McGrecov W	G.	Browning, G.	A.M.		
McGregor, W.	A.M.	Bulwer, E. H. E.	M.	Richmond, J. R.	M.
McGregor, W. McNicoll, W.	A.M.	Burgess, F. W.	M. A.M.	Richmond, J. R. Robertson, A. M.	M. G.
McGregor, W. McNicoll, W. McPherson, S.	A.M. A.M. M.	Bulwer, E. H. E. Burgess, F. W. Burns, J. A.	M. A.M. A.M.	Richmond, J. R. Robertson, A. M.	M. G. A.M.
McGregor, W. McNicoll, W. McPherson, S.	A.M. A.M. M. G.	Bulwer, E. H. E. Burgess, F. W. Burns, J. A. Cartmell, J. M.	M. A.M. A.M. A.M.	Richmond, J. R. Robertson, A. M. Robertson, R. A. Rogerson, T. B.	M. G.
McGregor, W. McNicoll, W.	A.M. A.M. M.	Bulwer, E. H. E. Burges, F. W. Burns, J. A. Cartmell, J. M. Clarkson, J.	M. A.M. A.M.	Richmond, J. R. Robertson, A. M.	M. G. A.M. M. M. A.M.
McGregor, W. McNicoll, W. McPherson, S. Murray, D. J. Orr, C. R. Parsons, T. G. Richardson, H.	A.M. A.M. G. M. A.M. A.M.	Burwer, E. H. E. Burgess, F. W. Burns, J. A. Cartmell, J. M. Clarkson, J. Cochrane, J. Cotton, C. C. C.	M. A.M. A.M. A.M. M. M. M.	Richmond, J. R. Robertson, A. M. Robertson, R. A. Rogerson, T. B. Ross, J. R. Royds, R. Salmond, H.	M. G. A.M. M. A.M. A.M.
MeGregor, W. MeNicoll, W. MePherson, S. Murray, D. J. Orr, C. R. Parsons, T. G. Richardson, H. Sturrock, J. F.	A.M. A.M. M. G. M. A.M. M.	Burlwer, E. H. E. Burgess, F. W. Burns, J. A. Cartmell, J. M. Clarkson, J. Cochrane, J. Cotton, C. C. C. Couper, S.	M. A.M. A.M. A.M. M. M. M. M.	Richmond, J. R. Robertson, A. M. Robertson, R. A. Rogerson, T. B. Ross, J. R. Royds, R. Salmond, H.	M. G. A.M. M. M. A.M. A.M. A.M.
McGregor, W. McNicoll, W. McPherson, S. Murray, D. J. Orr, C. R. Parsons, T. G. Richardson, H.	A.M. A.M. G. M. A.M. A.M.	Bulwer, E. H. E. Burgess, F. W. Burns, J. A. Cartmell, J. M. Clarkson, J. Cochrane, J.	M. A.M. A.M. A.M. M. M. M.	Richmond, J. R. Robertson, A. M. Robertson, R. A. Rogerson, T. B. Ross, J. R. Royds, R.	M. G. A.M. M. A.M. A.M.

Glasgow (cont.)-		Kilmarnock (cont.)-	-	Paisley (cont.)-	
Semple, R.	A.M.	Munro, H.	M.	Glen, D.	A.M.
Shanks, W.	M.	Watson, J.	A.M.	Hislop, G. R., Jun.	A.M.
Sharp, J.	M.			McGee, W.	M.
Sharp, J. H.	M.	Kinlochleven-		McLachlan, J.	M.
Sharp, W.	A.M.	Webb-Bowen, H. I	E	Parkinson, C. F.	M.
	A.M.	Webb-bowen, II.	A.M.		M.
Smith, U. V.			A.HL.	Parlane, W.	
Spence, W. L.	M.	Winkenlder		Tannett, J. C.	M.
Stewart, G.	M.	Kirkcaldy-	M.	Walmsley, J.	M.
Stewart, J.	M.	Douglas, C. E.		Wilson, R. W.	A.M.
St. Legier, Eng. Lt.		Grant, L.	M.	Peebles-	
A. S. de	A.M.	T71			A 35
Stuart, E. J.	A.M.	Kirn-	2.5	Jones, C. H.	A.M.
Thomson, A. M.	A.M.	Gray, A. C.	M.	Perth-	
Thomson, J.	M.			Henderson, H. R.	0
Tullis, D. K.	M.	Larbert-			G.
Turnbull, A.	M.	Frost, G. H.	A.M.	Pullar, A. E.	M.
Turnbull, W. L.	M.			Renfrew-	
Urie, W. M.	M.	Ledaig-		Brown, W.	M.
Watson, J.	A.M.	McDonald, N.	A.M.	Lobnitz, F.	M.
Weir, W.	M.				
White, J. D.	G.	Levenhall-		McLaren, R. A.	M.
Wilson, W. H.	M.	Dick, J. N.	M.	Young, W. A.	M.
Yarrow, A. F.	M.	201011,00210		Rosyth-	
	G.	Maybole-			A.M.
Yarrow, H. E.		Don, J.	A.M.	Anderson, A. L.	A.M.
Young, J. D.	A.	Don, J.	22,24.	Crocker, E. G.	
Young, J. G.	A.M.	Mid-Calder-		Plant, D. T.	A.M.
Young, T.	M.	Bryson, J.	M.	Sia, W. V.	G.
C		Dryson, J.	Alko	G1 - 1 -	
Greenock-		Mathamas 11		Stevenston-	
Blake, M.	M.	Motherwell-	3.5	Birkett, P.	A.M.
Graham, W.	M.	Jack, A.	M.	Currie, G. M.	M.
Smart, R. H.	M.	Mackenzie, T. B.	M.		
				Stirling-	
Inverness-		Newburgh-		Papworth, J. W.	A.M.
Corbett, A. J.	M.	White, D. H.	A.M.		
Drummond, P.	M.			Thorntonhall-	
Smith, D.	A.M.	Paisley—		Herriot, W. S.	М.
		Bow, W.	M.		
Kilmarnock-		Campbell, W. W.	M.	Troon-	
Barr, J.	A.	Cave, W. H.	A.M.	Love, R. T.	M.
Dunn, H. S.	M.	Cooper, E. L.	M.		
Kennedy, T.	M.	Croll, J.	M.	Wishaw-	
Manson, J.	M.	Drewitt, W. H.	A.M.	Steele, J.	M.
	ALL	22011100, 111111	***************************************		
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## WALES.

Aberdare-		Bwleh-	-	Cardiff (cont.)-	
Harliss, W. L.	A.M.	Ashworth, H.	M.	Ellis, A.	M. M.
Heppell, S. K. Lewis, Sir W. T.	G. M.	Caerleon-		Evans, D. L. Flindt, E. J.	M.
Stow, G.	A.M.	Richards, E. W.	M.	Gall, A.	M.
Treharne, G. A.	M.			Gough, R. E.	G.
Abergele-		Caerphilly-	3.5	Gould, H. T.	A.M.
Child, H. S.	M.	Riches, C. T. H.	M.	Hallett, J. H. Hart, H. A.	A.M.
Aberystwyth-		Cardiff-		Haslam, S. B.	A.M.
Williams, A. D.	A.M.	Abraham, G.	A.M.	Heald, J. A.	M.
Bangor-		Baskerville, W. S.	A.M.	Hosgood, O. S.	M.
Pritchard, W. E.	A.M.	Bush, A. G.	A.M.	Hughes, F.	G.
Beaufort-		Cambridge, H. Cameron, J.	M. M.	Jenkins, D. W. Jones, F.	G. A.M.
Hodson, F.	G.	Chamen, W. A.	M.	Jordan, C. W.	A.M.
Blackpyl-	٥,	Chivers, S.	M.	Jordan, E.	M.
Wright, J. R.	M.	Clark, R. G.	A.M.	Kemp, H. J.	A.M.
	ALE.	Crow, L.	A.M.	Knight, S. Y.	A.M.
Briton Ferry-	1.35	Cryer, A. Dawson, E.	M. M.	Lawes, G. E. Leggat, J.	A.M.
Brown, H.	A.M.	Dobbs, H. T.	A.M.	Lewis, W. T. W.	G.
Burry Port-		Edwards, H. F.	M.	Lloyd, C. G.	G.
Eager, J.	M.	Elliott, Dr. A. C.	M.	Madden, H. D.	A.M.

Cardiff (cont.)— Marquand, A. J.	M. A.M.	Landore— Butler, J.	M.	Portmadoc- Jones, H. O.	G.
Mills, A. E. Monroe, R. Mowll, H. S.	M. A.M. M.	Llandudno— Farrington, C. F.	A.M.	Port Talbot— Deer, G. G.	A.M.
Patterson, A. Powell, W. H. H. Reed, T. A.	M. M.	Llanelly— Blaikie, J. N. Burn, A. J. H.	A.M. M.	Hertz, A. H. Roberts, H. J.	M. A.M.
Reese, A. K. Reynolds, B. Riches, T. H.	M. A.M. M.	Griffiths, R. S. Rees, W. J. Stevenson, J. J.	G. M. M.	Queen's Ferry— Smith, I. H.	A.M.
Roberts, D. E. Schontheil, T. Scott, W. A.	M. M. M.	Thomas, E. G. Thomas, R. B.	A.M. M.	Rhos-on-Sea, N. Wa Wood, S.	ales—
Shenton, C. F. G. Sibbering, G. T. Stevenson, G. M.	G. M. M.	Mold— Buddicom, H. W.	М.	Rhyl-	25
Swan, E. M. Thomas, N. S. Waite, W. V.	A.M. A.M. A.M.	Newport, Mon.— Dawson, H. P. Hick, C.	G. A.M.	Price, J. B. Ruabon—	M.
Wayne-Morgan, J. Yates, A. T.		Ingram, A. H. Moore, R. C.	A.M. G. M.	Berkeley, T. D. Cunliffe, W. W. Lawford, A. N.	A.M. A.M. G.
Cardigan— Matthews, W. E.	A.M.	Pattinson, J. Pearson, T. W. Phillips, C. D.	M. M.	Swansea-	
Carmarthen— Isaac, G. B. Wheldon, E. J.	A.M.	Powell, W. H. Stevens, A. J. Whitehouse, W. H.	A.M. M. G.	Blake, A. W. Davies, W. D. Dayson, W. O.	A.M. A.M. M.
Carnarvon— Hayes, J.	M.	Penarth— Heywood, T. E. H.	M. M.	Drury, H. J. H. Elborne, E. M. Gibson, H. F. H.	A.M. A.M. G.
Clydach, Glam.— Edleston, A. E.	A.M.	King, T. S. Wrightson, W. P.	M.	Harvey, W. S. Higgs, W. G. Hill, T.	A.M. A.M. A.M.
Dowlais— Evans, J. Robson, G.	M. A.M.	Pontypridd— Bennett-Powell, P.	A.M.	Morgan, F. J. Noot, W. W. Peel, C. E.	A.M. A.M. M.
Ebbw Vale— Mills, F.	M.	Davison, J. W. Swain, E. H. Thomas, A. L.	M. A.M. M.	Prüsmann, C. A. L. Roberts, T.	
Fishguard— Allison, B. J.	A.M.	Port Dinorwic— Pritchard, H.	М.	Wrexham— Pickvance, W. G.	A.M.

#### NAVAL ENGINEERS,

# ON FOREIGN SERVICE (EXCLUSIVE OF THOSE AT HOME).

Dall The Comm
Ball, Eng. Comm.
R. H. C. M.
Cooke, Eng. Lt.
S. W. A.M.
Curgenven, Eng. Lt.
L. W. M.
Fendick, Eng. Lt.
W. R. A.M.
Gordon, Eng. Lt. H. H.
A.M.
Hall, Eng. Lt. W. B. M.
Harold, Eng. Lt. H. F.
A M
A. A. S. A. S.

Johns, Eng. Lt. B. J. G.
A.M.
Michell, Eng. Lt. W. H.
M.
Moore, Eng. Lt. W. L.
Napier-Hemy, Eng.
Lt. H. J.
Nicholson, Eng. Lt.
J. B.
Paffett, Eng. Lt. W. F.
G.

Pudner, Eng. Lt. W.
H.
Stocker, Eng. Lt. P. M.
Tompkins, Eng. Comm.
A. E. M.
Veen, Eng. Comm.
V. A. A. ter M.
Venning, Eng. Lt. A. J.
A.M.
Venning, Eng. Lt. T. A.
A.M.

# FOREIGN COUNTRIES.

#### AFRICA.

ALGERIA-		King William's To	wn—	Cairo (cont.)-	
Algiers-		Low, W. L. S.	A.M.	Sibbald, T. K. Smith, T. H.	M.
Griffith, T. H.	M.	014 1		Smith, T. H.	A.M.
Danala		Oudtshoorn-	4.35	Sturgeon, H. C.	A.M.
Bougie-	A.M.	Oakden, R. B.	A.M.	Wells, S. H.	A.M.
Thomas, H. B.	A.M.	Wertheim, M.	A.M.	Western, H.	A.M.
BRIT, EAST AFRICA	4-	Port Elizabeth-		Damanhour-	
Mombasa-	•		M.	Gow, J.	A.M.
Bremner, B. L.	G.	Allison, O. Bishop, W. G.	M.	Rushdy, A.	G.
Sandiford, C.	M.	Butcher, M. H.	M.	Spinks, J. J.	A.M.
	-	Mangold, C. A.	A.M.	Khartoum-	
Nairobi-		Peycke, V. C.	G.	Claxton, H.	A.M.
Cook, J.	M.	Calt Divisor		Hill, Eng. Lt. W. S.	. M.
Hirtzel, C. H. A.	A.M.	Salt River—	M	Rhodes, S. C. Sayer, S.	A.M.
Zanzibar-		Anderson, P.	M.	Sayer, S.	A.M.
Wallace, R. A.	G.	Simon's Town-		Williams, J. E.	A.M.
CANADY ICI ANDC		Grose, F. H.	A.M.	Mansourah-	
CANARY ISLANDS-	_			Macaulay, M. S.	G.
Las Palmas—	1.75	Uitenhage-	3.5		-
Barba, A. G.	A.M.	Malloch, W. F.	M.	Minieh-	
CAPE COLONY-		Thornton, H. R. Westley, A. W.	M. A.M	Maudslay, J.	A.M.
Cala-		Westley, A. W.	1.11	Port Said-	
MeColl, H.	M.	EGYPT-		Creagh, E. R. A.	A.M.
		Alexandria-			
Cape Town-	25	Alderson, C. A. H.	M.	Shendy—	1 75
Beatty, H. M.	M.	Alderson, G. A.	M.	Stenning, H. W.	A.M.
Cochrane, J. Cooper, H. C.	A.M.	Alderson, G. B.	M.	Tantah-	
Denham J	M.	Andreadis, A. I.	G.	Black, G. L.	A.M.
Duncan, W.	M.	Blagden, H. R. C. Davson, S. S.	M.	Hymenees, J. D.	G.
Gearing, H. C.	A.M.	Davson, S. S.	A.M.	Langton, J. M. E.	A.M.
Denham, J. Duncan, W. Gearing, H. C. Gibbs, J. H.	M.	Elsworth, J. F. Kypriadis, M.	M. G.	Zagazig-	
HOUDOSWOPED R	G.	Marr, W. K.	A.M.	Peacock, J. B.	A.M.
MacNay, A.	M.	Taylor, F. C.	A.M.		
Pickening F	M. M.	Tennant, A. M.	A.M.	Zeitoun— Spencer, H. B.	M.
Show C. F	A.M.			Spencer, H. B.	ML.
MacNay, A. Perry, T. W. W. Pickering, F. Shaw, C. F. Smith, W. H.	M.	Assuan-	a	MADEIRA-	
Tanfield, R.	A.M.	Hazzi, J. A.	G.	Maclean, J. B.	A.M.
		Atbara-			
Claremont—	A 3/	Fawkes, R. E. F.	A.M.	MAURITIUS-	
Read, C. M.	A.M.	Longfield, Capt.W.		Port Louis—	2.0
Cradock-		mongacia, capa,	201 2020	Dykes, A. J.	M.
Garratt, R. J.	A.M.	Bir-Hooker-		Turney, F.	A.M.
Fact Landan		Paterson, W.	A.M.	Rose Belle-	
East London— Reid, F.	A.M.	C-1		Collingridge, W. B.	. A.M.
Sanders, G. E.	A.M.	Cairo—	3/	NAMAY	
Wedge, F. H.	M.	Austin, J. M. Baker, A.	M. A.M.	NATAL-	
		Basta, H.	A.M.	Durban-	
Grahamstown-	3.0	Colley, R. W.	G.	Gray, J. W. Hemer, W. H. Hogg, J. T.	A.M.
Morrison, F. T. Newman, R. W.	M. M.		M.	Hemer, W. H.	A.M.
Parker, J. E.	M.	Eid, A. F. Fletcher, W. C. Flower, C. J.	G.	Milne, W.	A.M. M.
	Att.	Fletcher, W. C.	M.	Norman, G. F. A.	A.M.
Kalk Bay—		Flower, C. J.	A.M.	Robinson, J. J.	M.
Hambly, J.	M.	Gibbons, J. W. Grant-Morris, W.	A.M.	Short, A.	M.
Kimberley-		Grant-Morris, W.	A.M.	Titren, G. E. de K.	
Berry, W.	A.M.	Grindley, Dr. J. H		Pietermaritzburg-	
Coleridge, H. H.	A.M.	Mansfield, O.	A.M.	Cooper, G. S. H.	A.M.
Lea, J. A.	G.	Norris, A. E. F.	M.	Quince, W.J.	M.
Maelennan, H. V.	A.M.	Mansfield, O. Norris, A. E. F. Oakes, Sir R. L.	M.	Stobie, G. Watt, W., Jun.	M.
Simpson, H.	A.M.	Peach, C. E. C.	A.M.	Watt, W., Jun.	G.
Watson, A. G.	A.M.	Peacock, J. A. W.	M.	White, E. B.	A.M.

Port Natal— Shadwell, L. H. A.	A.M.	Johannesburg (cont. Bayley, J. P.	)— A.M.	Johannesburg (cont. Whitmee, H. B.	)— A.M.
Thomson, G.	M.	Behr, H. C.	M. M.	Williams, J. R.	G.
ORANGE RIVER CO	LONY	Briggs, H. Burden, A. G.	A.M.	Wilson, L. H. Wimbush, H. L.	A.M.
Bloemfontein-		Cannon, R.	A.M.	Wright, F. C.	A.M.
Johnson, M. C.	G.	Clark, J. L. Cleghorne, W. S. H.	A.M.	Krugersdorp-	
Koffvfontein-		Cowell, J. R.	M.	Begbie, T., Jun.	A.M.
Hudson, G.	A.M.	Cruddas, W. J.	A.M.	Ritchie, A. M.	A.H.
Kroonstad-		Daintree, T. E. Davies, J. H.	M. M.	Maraisburg— Clayden, H. W.	A.M.
Hearn, C. H.	M.	Davis, C. R. S.	A.M.	Middelburg-	
Viljoen's Drift-		Dobson, J. H. Dowson, R. M.	M. A.M.	Begbie, T., Sen.	M.
Stigant, G. A.	A.M.	Dutton, F. H.	A.M.	Begbie, W.	A.M.
RHODESIA-		Fowler, P. M.	M.	Mackintosh, R. D.	A.M.
Bulawayo-		Frerichs, J. A. Furnivall, W. H. G.	A.M. A.M.	Nylstroom-	4 35
Fletcher, H. C.	M.	Goffe, E.	A.M.	Prance, C. R.	A.M.
Jeffreys, R. R. V. Johnson, G.	A.M.	Harris, S. E.	A.M. M.	Pilgrims Rest-	C
Johnson, H. H.	M.	Hosken, R. Ingham, W.	M.	Ironside, P. H.	G.
Uttley, E. A.	A.M.	Johns, J. H.	M.	Premier Mine-	M.
Golden Valley-		Lees, C. J. Linscott, A. B.	A.M. A.M.	Pack, A. E.	М.
Begbie, S. S.	A.M.	Macdonald, J. R.	A.M.	Randfontein-	C
Gwelo-		MacGregor, J., Jun.	A.M.	Fry, F. E. Gavey, A.	G. A.M.
Weston, R. O.	A.M.	McLaren, W. A. Middleton, H. H.	M. M.		
		Miller, H. W.	M.	WEST COAST—	
Insiza— Groves, M.	A.M.	Mills, J. A. Newman, A. D.	A.M.	Accra- McLaren, H.	A.M.
		Orr, Prof. J.	M.	Pettit, C. W.	A.M.
Salisbury— Epton, W. M.	M.	Pittar, A. V.	A.M.	Calabar-	
Furness, R. L.	A.M.	Pollard, F. J. Potter, H. S.	A.M. A.M.	Molineux, C. R. N.	M.
Hardcastle, E. Houseman, C. L.	M. M.	Prevôst, A. T.	A.M.	Freetown-	
Warton, R. G. F.	A.M.	Prevôst, H. A. Reunert, T.	G. M.	Barker, E. G.	M.
Umtali-		Reynolds, H.	M.	Espeut, R. W. A.	A.M.
Hosgood, W. J.	M.	Rider, J. H.	M. A.M.	Lagos-	A.M.
Methuen, J. A.	A.M.	Shermer, H. L. Smith, S.	M.	Anson, J. A. Bellamy, C. V.	M.
Seager, F. P.	21,1114	Smyth, G. M.	M.	Bellamy, C. V. Bonell, T. H. M.	M.
TRANSVAAL-		Snow, W. R. Stokes, F. T.	A.M.	Evetts, W., Jun. Hewson, C. L. B.	A.M.
East Rand—	A.M.	Stowe, G. S.	M.	Holmes, R. B. W.	A.M.
Hathorn, J. C. M.	Zi.III.	Sturrock, F. C. Templer, H. L.	A.M. M.	Lumley, G.	A.M.
Florida— Sproule, G. H. R.	A.M.	Tester, W. A.	M.	Smith, E. T. Walton, G. L.	M.
	42.444	Thorpe, H. T. E.	G.		
Johannesburg— Andrews, G. S. B.	M.	Tomkins, J. A. Tracy, H. W.	M. A.M.	Sekondi— McJerrow, T.	A.M.
Bartley, B. C.	M.	Vaughan, J. A.	M.	Robinson, J. D.	M.

#### AMERICA (CENTRAL).

BRITISH HONDUI	RAS	MEXICO— Altata— Steel, T. J.	A.M.	Durango— Newill, G. E.	A.M.
Auld, J. P.	TAT.	Steel, 1. J.	A.M.	Mexico City— Bennett, P. M.	A.M.
COSTA RICA— San José— Dawson, R. C.	A.M.	Chihuahua— Wicks, G. H.	M.	Carter, H. F. Gelling, J. W.	M. M.

Mexico City (cont.)- Russell, F. W. Stirling, R. Ward, A. M. Williams, A.	M. M. A.M.	WEST INDIES— Antigua— Dew, J. T. Foote, T. D.	<b>A.M.</b> G.	Grenada— McQueen, J. C. Jamaica—	М.
Petatlan- Bromly, A. H.	M.	Barbados— McLaren, W. Ponsonby, G. E. Rodger, J. B.	M. G.	Aitken, R. R. Parratt, H. E. Thornton, C. J. Porto Rico—	A.M. A.M. M.
Aston, R. G.  NICARAGUA—	G.	Simpson, D. G.  Cuba—	A.M.	Graham, R. Thomson, D. L.	M. A.M.
Chichigalpa— Forsyth, W.	A.M.	Keyworth, T. E. Knight, W. E. Mayne, J. G.	M. M. A.M.	Trinidad— Buck, E. C. Simpson, N. de L.	M. A.M.

## AMERICA (NORTH).

BRIT. N. AMERICA-	-	Montreal (cont.)-		Chicago-	
British Columbia-		Perrin, A. T.	A.M.	Hunt, R. W.	M.
Brockley, C. W.	A.M.	Redpath, F. R.	M.	Ward, J. C.	A.M.
Bulkeley, G. V. O.	A.M.	Spencer, J. A. B.	M.	Widdicombe, R. A.	A.M.
Conway, G. R. G.	M. G.	Swan, A. D. Vaughan, H. H.	M. M.	Cincinnati-	
Covil, R. P. Croft, H.	M.	Wallis, H.	M.	McDonald, W.	A.M.
Crofts, J. C. T.	M.	Webster, A. G.	A.M.	,	
Curtis, V.	G.	Withers, J.	A.M.	Cleveland-	
Cuttell, J. H.	A.M.		***************************************	Clegg, R. I.	A.M.
Du Cane, C. G.	A.M.	Ottawa-		Parry-Jones, R. Swasey, A.	M. M.
Edwards, J. B.	A.M.	Cleave, A. H. W.	M.	Swasoy, A.	MI.
Hubback, C. A.	M.			Coalinga-	
Mathieson, W.	A.M.	St. Catharine's, On		Whyte, J. B.	A.M.
Newman, R. B.	G.	Smith, H.	A.M.	Detweit	
Ormsby, E. S.	M.	Tononto		Parish, H. L. O.	a
Peyton, W. C.	A.M.	Toronto— Alexander, J. F.	A.M.	Farish, A. L. O.	G.
Sweatman, H. Walkem, G. A.	A.M.	Dowson, E. C. H.	A.M.	East Orange, N.J	-
Woods, H.	A.M.	Haggas, W. S.	A.M.	Kilgour, M. H.	M.
1100005, 11.	ZL.HL.	Hill, A. G.	A.M.	Hontford Com	
Cochrane, Ont		Merrifield, L. L.	M.	Hartford, Conn.— London, W. J. A.	A.M.
Holden, C.	A.M.	Roberts, C. D.	A.M.	London, W.J. A.	A.M.
Robinson, E. M.	M.	Yerbury, F. A.	G.	Hawthorne, Ill	
account and and				Spurling, O. C.	M.
Halifax, N.S		Winnipeg-	4.75	Little Boar's Head-	
Rodd, Capt. W. J. P.	A.M.	Burchall, W. B.	A.M.	Jaques, Capt. W. H.	
** ***		Hyland, J. F. Lake, H. B.	A.M.	Jaques, Capa W. II.	J. J. J. Land
Hamilton, Ont.	1 70	Sherwin, J. W.	A.M.	Long Island City-	
Ford-Smith, P.	A.M.	Trotter, W. B.	G.	Manton, A. W.	M.
Heward, Sask		2100001, 1112.	٥.	Tan Ammelen	
Goodall, H. D. E.	G.	UNITED STATES-		Los Angeles— Chaffey, G.	M.
Goodini, II. D. II.	u.	Boston-		McClure, J. R.	A.M.
Lachine, P.Q		Butcher, J. J.	M.	Probert, E.	A.M.
Lawson, J. C. S.	A.M.	Watson, J. C.	A.M.	,	
			*******	Massillon-	
Moneton, N.B		Bridgeport-		Hartley, T. W.	A.M.
Joughins, G. R.	M.	House, H. A., Jun.	M.	Meadville-	
Montreal-				Poignand, F. N.	A.M.
Beek, J.	A.M.	Buffalo, N.Y.—	1.25	Middlesbrough-	
Carolin, E. M.	M.	Thomas, H. K.	A.M.	Bartlett, J. H.	M.
Davies, R.	G.	Cambridge-			
Duff, P. J.	A.M.	Leavitt, E. D.	M.	Middletown, Conn Peam, F.	A.M.
Gibbons, N. B.	A.M.		200.0		A.AL.
Hayward, J. W.	A.M.	Chestnut Hill-		Milwaukee-	
Johnson, L. R.	M.	Ramsbottom, J. G.	M.	Atkinson, C. J.	A.M.

New York— Booth, J. L. A.M. Bulkley, H. W. M.	Norfolk, Va.— Waithman, W. G.	Springfield, Vt.— Hartness, J.	M.
Clark, L. K. A.M. Colbourne, J., Jun. A.M. Davison, E. G. A.M.	Palo Alto— Eckart, W. R., Jun. A.M.	Westminster, Vt.— Sandaljian, B. A.I	M.
Hart, F. M. Herschmann, A. J. M. Leeds, E. L. A.M. Loud. H. S. M.	Paterson, N.J.— Williams, D. T. A.M.	Windsor, Vt.— Rose, W. A.	G.
Megirian, J. J. G. Powell, C. S. A.M. Rogers, E. N. C. A.M.	Providence— Mawson, R. A.M.	Worcester— Morgan, C. H.	м.
Rosenberg, H. M. A.M. Talbot, E. A.M. Thornton, A. F. G.	San Francisco— Eckart, W. R. M.	HAWAII— Williams, J. N. S.	M.

## AMERICA (SOUTH).

	• • •	= 111071 1001	• • • • •	•	
ARGENTINE REP		Entre Rios-		Pernambuco-	
Bahia Blanca—		Coulton, I. B.	A.M.	Anderson, J.	A.M.
Anthony, C., Jun.	M.	Lyons, R. E. B.	A.M.	Cardozo, F. C. de M	. M.
Kyle, R. A.	A.M.	Moffatt, F. A.	A.M.	Chalmers, J.	M.
Buenos Aires—				Chivers, F. E.	A.M.
Arteaga, A. de	M.	Haedo-		Cooper, A. G. W. I.	A.M.
Bakewell, F. J.	A.M.	Roscoe, E. B.	A.M.	Jones, G. R. W.	A.M.
Bow, J.	A.M.	Junin-		McGregor, James	AM.
Bowser, H. A.	A.M.	Fraser, S. R. C.	G.	Danta Nama da Cami	-
Bressey, S. F.	G.	Langdon, D. E.	Ğ.	Porto Novo de Cunl	
Carosio, G.	A.M.	20026021, 27, 20	<u> </u>	Marshall, F. J.	G.
Cruickshank, F. G.	W.	Mendoza-		Rio de Janeiro-	
Oz dzionanian, a i a i	A.M.	Dawbarn, R. P.	A.M.	Goodier, F.	M.
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Hiraoka, H.	M.	Swanson, J. H.	M.	MacLennan, A. Masterton, W. N.	A.M. M.
Mano, Prof. B.	A.M. M.	Kelantan— Lambert, A. P.	A.M.	Niblock, F.	M.
Matsubara, T. Miyabara, Eng. V	A.M.	Puket-	M.	Nicholson, J. R. Owen-Griffiths, W.	M. G.
Adml. Baron J. Shiba, C.	M. A.M.	Bluck, M. T. N. SIBERIA—	M.	Robinson, F. H. Sunner, J. H.	A.M. M.
Shin, T.	M.	0msk-		Swan, W. R. Trowell, W. J.	A.M.
Yokohama— Cumming, W. M.	. A M	Read, H. G.	M.	Webster, W.	M.
Farnsworth, F. S.	A.M.	STRAITS STLMTS.—		Sungei Lembing— Clarke, G. G.	M.
Groundwater, W.	G.	Drabble, H. M.	A.M.	TURKEY-IN-ASIA-	111.
Kato, S. Lukis, W. R. F.	A.M. M.	Penang— Butcher, J. D.	A.M.	Smyrna-	
Rooke, W. M. Thompson, E. R.	M. M.	Muir, H. Wilson, W. B.	A.M.	Issigonis, G. D. Pacey, S. O.	A.M. G.
Tresize, W. K.	M.	Young, R.	M.	Willans, G. H.	A.M.
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## AUSTRALASIA.

FIJI—	
Macmillan, C. C.	M.
NEW SOUTH WAL	ES—
Aberdeen— Benn, W. W. W.	A.M.
Granville— Irons, T.	M.
Lithgow— Maekenzie, K. L.	A.M.
Moulamein— Price, A.	M.
Newcastle— Hirst, J.	M.

Parramatta—	
Ritchie, J. M.	A.M.
Sydney— Arnot, A. J. Barraelough, Prof.	M.
H.	M.
Borland, R.	A.M.
Brunton, P. G.	M.
Christie, A.	M.
Convers, S. W.	M.
Cutler, A. E.	M.
Eggers, H. F. C.	A.M.
Fenwick, J.	M.
Foster, E.	A.M.
Franki, J. P.	M.
Garvey, R. G. H.	A.M.

vdney (cont.)-	
German, W. H.	M.
Grange, R. B.	M.
Hodgson, G. H.	A.M.
Holrovde, G. E.	A.M.
Hoskins, G. J.	M.
Houghton, T. H.	M.
Howarth, A. M.	M.
Howe, H. B.	M.
Kidd, H.	M.
Lucy, E. E.	M.
Macartney, J.	M.
McCredie, A. L.	M.
Maclean, W. E.	A.M.
Marr. A. S.	G.
Massey, G.	M.
Moore, F. C.	G.
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Sydney (cont.)-		Melbourne (cont.)-		Blenheim-	
Noakes, W. M	M.	Fowler, T. W.	M.	Sibeth, E. F.	G.
Noyes, E.	A.	Fyvie, W.	M.		
Oxford, R.	A.M.	Griffiths, J. A.	M.	Christchurch-	
Saunders, A. F.	A.M.	Griffiths, W. J.	M.	Anderson, J.	M.
Selfe, N.	M.	Harcourt, O. S. H.	M.	Arrowsmith, B. L.	G.
Sinclair, R.	M.	Kay, B.	A.M.	English, R.	A.M.
Toder, J.	A.M.	Mais, H. C.	M.	Gurney, T.	A.M.
Turner, W. W.	A.M.	Payne, Prof. H.	M. M.	Manning, R. P. M.	A.M.
Williams, T. D.	M.	Pearce, T. Quirk, W. M. H.	M.	Scott, H.	M.
QUEENSLAND-		Roberts, J.	A.M.	Scott, Prof. R. J.	MI.
Brisbane-		Schloesser, R.	A.M.	Dunedin-	
Greig, A.	A.M.	Smith, M. S.	A.M.	Burt, T. R.	A.M
		Stewart, A. A.	M.	Drew, E. H.	A.M.
Charters Towers-	3.5	Swinburne, G.	M.	Roberts, E.	M.
Caswell, S. J.	M.	Swinburne, W.	M.	Wilson, H.	M.
Nelson-		W. ATTOMBATTA			
Davids, S. W.	M.	W. AUSTRALIA-		Gisborne-	
Rockhampton-		Brown Hill-		Thomas, F. G.	G.
Allan, C. J.	G.	Walkeden, G. H.	M.		
		Fremantle-		Karangahake-	1 35
S. AUSTRALIA—		Williams, H. W.	M.	Cull, J. E. L.	A.M.
Adelaide-				Turnbull, J. A.	A.M.
Ayers, F. G.	A.M.	Kalgoorlie—	A.M.	Napier-	
Garvie, D.	A.M.	Crocker, C. E.	A.M.	Butters, H.	M.
Nichols, H. F.	A.M.	Northam-		Nelson, L.	G.
Roberts, T.	M.	Hemingway, A.	A.M.	Turvey, W. J. W.	A.M.
Shaw, P. C. W. Sutherland, K. W.	M.	Perth-		zar roj, rror rr	
Sutherland, A. W.	A.M.	Akroyd-Stuart, C.	н. м.	Nelson-	
Wallaroo-		Akroyd-Stuart, H.		Blechynden, J.	M.
Orr, T. J. R.	A.M.	Broadbent, H.	A.M.		
TASMANIA-		Hawke, G. R. W.	M.	Rangatua-	
		Lawson, F. W.	A.M.	Saunders, F. W. T.	A.M.
Hobart-	1 35	Leslie, W.	M.		
Ross, E. S.	A.M.	Mathews, C. J.	M.	Waihi—	1 35
Launceston-		Ravensthorpe-		Gauvain, W. P.	A.M.
Deeble, W. R.	M.	Snepherd, R. L.	M.	Waikino-	
Queenstown-		Subiaco-		Fraser, S. E.	M.
Wright, G. W.	M.	Littlejohn, W. J.	A.M.	Malyon, F. W.	G.
			AL-ML.	Watters, T. C.	A.M.
VICTORIA-		Yarloop-	. 35		
Ballarat-		Bird, F. N.	A.M.	Wellington-	
Deakin, B. W.	M.	Midland Junction-		Blair, D. K.	M.
Kerr, A. E. C.	M.	Evans, E. A.	A.M.	Cable, M.	A.M.
Footscray-		Hume, E. S.	M.	Cachemaille, E. D.	A.M.
Ferguson, M.	M.	NEW ZEALAND-		Ferguson, W.	A.M.
		Auckland—		Hunter, A. H. Hursthouse, E. W.	A.M.
Melbourne— Clarke, J.	M.	Allen, C. C.	A.M.	Lawrie, P. S.	M.
Conyers, W.	M.	Lamb. S. E.	A.M.	Richardson, C. E.	M.
Edwards, W. C.	M.	Powell, F. E.	A.M.	Walker, R.	A.M.
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#### EUROPE.

AUSTRIA-		Brussels-		DENMARK-	
Pola- Pritchard, L. H.	M.	Coppée, E. Mathot. R.	M. M.	Copenhagen-	3.5
I Hechard, L. II.	DL.	Selby, M.	M.	Capito, C. A. A.	M.
Vienna-		Severn, W. H.	M. M.		
Blakey, R. C.	M.			FRANCE-	
Hardy, J. G.	M.	Gand-			
Hardy, W. E.	M.	Heynssens, J.	G.	Chatou— D'Albert, C.	M.
BELGIUM-		Liége-			
Antwerp-		Everett, E. J. E.	G.	Neuilly-sur-Seine-	
Béliard, H. J. P.	M.	Timmermans, F.	M.	Ryan, J.	A.M.

Paris- Bourdon, F. E. M.	Milan-	A.M.	Warsaw-	
Budge, E. M.	Frost, H. M. Haan, P. de	G.	Okolski, S. J.	M.
Dowlen. W. E. A. Fry, L. H. M.	Nathan, A. Rümmele, A.	M. G.	SPAIN-	
Hanning, W. A.M. Hawkins, E. F. A.M.	Rome-		Aguilas— Browne, S. O.	M.
Hour, R. C. A.M.	Angelis, M. de	G.	Alcaracejos-	111.
Hutchins, W. J. M. Janson, R. A.M.	Turin— Rieter, E. H.	A.M.	West, W. P.	A.M.
Kitchin, J. W. A.M.	MALTA-		Almeria-	
Leisse, G. C. M.	Lewis-Dale, H. A.	A.M.	Hamilton, A., Jun.	A.M.
Marié, G. M. Menier, H. M.	PORTUGAL-		Astillero— Beirne, S. A.	A.M.
Molinos, L. M.	Lisbon— Camargo, J. A. da l	D	Kensington, J. C.	A.M.
Ronceray, E. M.	Camargo, J. A. da l	A.M.	Bilbao-	35
Roux, P. L. A.M. Sauvage, Prof. E. M.	ROUMANIA-		Layton, H. E.	M.
Thorneloe, A. J. A.M.	Sulina— Nutt, G. B.	M.	Cartagena— Browne, R. H.	A.M.
Woollen, H. G. Sévran—	RUSSIA—	202.	Huelva-	
Malan, E. de M. M.	Baku-		Bennie, P. Connell, W. P.	M.
GERMANY-	Dabell, A. F.	A.M.	Crossman, J. E. T.	A.M. A.M.
Berlin-	Batoum— Whitaker, G.	A.M.	Madrid-	
Friedrichs, F. W. A.M. Haberland, R. W. M.	Charkow-		Aramburu y Silva Cowlrick, F. G.	, F. M. A.M.
Hildreth, W. A. M.	Blakey, C.	M.	Cowlrick, F. G. Naylor, T. L. Phillips, E. G.	G. A.M.
Saarbrücken- Sehmer, E. G. M.	Elizabethgrad— Larter, W. L.	G.	Smail, C. G.	A.M.
Strassburg, Alsace-	Lodz-	3.5	SWEDEN-	
Berthiez, C. M.	Ratcliffe, J. T.	M.	Danderyd-	
GIBRALTAR-	Maikop— McCallum, E. A.	A.M.	Betts, S.	M.
Jacobs, Lieut. J. J. M. Laidler, C. R. G.	Rappoport, F. G.	A.M.	Gothenburg— Wadham, R.	A.M.
Marrian, A. E. A.M.	Moscow- Berry, H.	M.	Stockholm-	21.24.
Phillips, Capt. F. H. A.M.	Boardman, J. Charnock, H. H.	M. A.M.	Buckley, V. E.	M.
GREECE-	Cox, M.	A.M.	SWITZERLAND-	
Piraeus-	Dixon, W. F. Hopper, J. R.	M. M.	Neuchatel—	
Mastrantonis, P. M.	Urmston, P.	M.	Walker, R. H.	A.M.
HOLLAND—	Narva— Goldarbeiter, J. L.	A.M.	Winterthur— Sulzer, J.	M.
Flushing— Martin, W. H. M.	Negnie Novgorod-		Zürich—	HL.
Rotterdam-	Chandler, F. A.	A.M.	Airey, J.	G.
Stokvis, H. M. Wilton, B. M.	Odessa— Marcuse, E. G.	G.		
Wilton, J. D. A.M. Wilton, W. A.M.	Schlüsselburg-	-	TURKEY— Constantinople—	
The Hague—	Gibson, E. M.	A.M.	Ahmed Pasha, Vic	М.
Kapteyn, A. M.	Serpoukhoff— Charnock, C. J.	A.M.	Admiral Khalil, LtComm.	I.
ITALY—	St. Petersburg-		Seifeddin, H.R.H. H	A.M. Prince
Castellammare di Sta- bia—	Gerebiateff, Col. J. Jones, S. J.	T. M. G.	Sirri, Major M.	A. M.
Albanese, E. S. A.M.	Szymanowski, K.	A.M.	Smyth, R. H.	A.M.

## THE INSTITUTION OF MECHANICAL ENGINEERS.

# Memorandum of Association.

#### AUGUST 1878.

1st. The name of the Association is "The Institution of Mechanical Engineers."

2nd. The Registered Office of the Association will be situate in England.

3rd. The objects for which the Association is established are :-

- (A.) To promote the science and practice of Mechanical Engineering and all branches of mechanical construction, and to give an impulse to inventions likely to be useful to the Members of the Institution and to the community at large.
- (B.) To enable Mechanical Engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.
- (c.) To acquire and dispose of property for the purposes aforesaid.
- (D.) To do all other things incidental or conducive to the attainment of the above objects or any of them.

4th. The income and property of the Association, from whatever source derived, shall be applied solely towards the promotion of the objects of the Association as set forth in this Memorandum of Association, and no portion thereof shall be paid or transferred directly or indirectly, by way of dividend, bonus, or otherwise howsoever, by way of profit to the persons who at any time are or have been Members of the Association, or to any of them, or to any person claiming through any of them: Provided that nothing herein contained shall prevent the payment in good faith of remuneration to any officers or servants of the Association, or to any Member of the Association, or other person, in return for any services rendered to the Association, or prevent the giving of privileges to the Members of the Association in attending the meetings of the Association, or prevent the borrowing of money (under such powers as the Association and the Council thereof may possess) from any Member of the Association, at a rate of interest not greater than five per cent. per annum.

5th. The fourth paragraph of this Memorandum is a condition on which a licence is granted by the Board of Trade to the Association in pursuance of Section 23 of the Companies Act 1867. For the purpose of preventing any evasion of the terms of the said fourth paragraph, the Board of Trade may from time to time, on the application of any Member of the Association, impose further conditions, which shall be duly observed by the Association.

6th. If the Association act in contravention of the fourth paragraph of this Memorandum, or of any such further conditions, the liability of every Member of the Council shall be unlimited; and the liability of every Member of the Association who has received any such dividend, bonus, or other profit as aforesaid, shall likewise be unlimited.

7th. Every Member of the Association undertakes to contribute to the Assets of the Association in the event of the same being wound up during the time that he is a Member, or within one year afterwards, for payment of the debts and liabilities of the Association contracted before the time at which he ceases to be a Member, and of the costs, charges, and expenses for winding up the same, and for the adjustment of the rights of the contributories amongst themselves, such amount as may be required not exceeding Five Shillings, or in case of his liability becoming unlimited such other amount as may be required in pursuance of the last preceding paragraph of this Memorandum.

8th. If upon the winding up or dissolution of the Association there remains, after the satisfaction of all its debts and liabilities, any property whatsoever, the same shall not be paid to or distributed among the Members of the Association, but shall be given or transferred to some other Institution or Institutions having objects similar to the objects of the Association, to be determined by the Members of the Association at or before the time of dissolution; or in default thereof, by such Judge of the High Court of Justice as may have or acquire jurisdiction in the matter.

# Articles of Association.

FEBRUARY 1893.

(Article 23 revised March 1902.)

#### INTRODUCTION.

Whereas an Association called "The Institution of Mechanical Engineers" existed from 1847 to 1878 for objects similar to the objects expressed in the Memorandum of Association of the Association (hereinafter called "the Institution") to which these Articles apply;

And whereas the Institution was formed in 1878 for furthering and extending the objects of the former Institution, by a registered Association, under the Companies Acts 1862 and 1867;

And whereas terms used in these Articles are intended to have the same respective meanings as they have when used in those Acts, and words implying the singular number are intended to include the plural number, and vice versû;

Now therefore it is hereby agreed as follows:-

#### CONSTITUTION.

1. For the purpose of registration the number of members of the Institution is unlimited.

# MEMBERS, ASSOCIATE MEMBERS, GRADUATES, ASSOCIATES, AND HONORARY LIFE MEMBERS.

2. The present Members of the Institution, and such other persons as shall be admitted in accordance with these Articles, and none others, shall be Members of the Institution, and be entered on the register as such.

- 3. Any person may become a Member of the Institution who shall be qualified and elected as hereinafter mentioned, and shall agree to become such Member, and shall pay the entrance fee and first subscription accordingly.
- 4. The qualification of Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 5. The election of Members shall be conducted as prescribed by the By-laws from time to time in force, as provided by the Articles.
- 6. In addition to the persons already admitted as Graduates, Associates, and Honorary Life Members respectively, the Institution may admit such persons as may be qualified and elected in that behalf as Associate Members, Graduates, Associates, and Honorary Life Members respectively of the Institution, and may confer upon them such privileges as shall be prescribed by the By-laws from time to time in force, as provided by the Articles: provided that no Associate Member, Graduate, Associate, or Honorary Life Member shall be deemed to be a Member within the meaning of the Articles.
- 7. The qualification and mode of election of Associate Members, Graduates, Associates, and Honorary Life Members shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 8. The rights and privileges of every Member, Associate Member, Graduate, Associate, or Honorary Life Member shall be personal to himself, and shall not be transferable or transmissible by his own act or by operation of law.

#### ENTRANCE FEES AND SUBSCRIPTIONS.

9. The Entrance Fees and Subscriptions of Members, Associate Members, Graduates, and Associates shall be prescribed by the Bylaws from time to time in force, as provided by the Articles.

#### EXPULSION.

- 10. If any Member, Associate Member, Graduate, or Associate shall leave his subscription in arrear for two years, and shall fail to pay such arrears within three months after a written application has been sent to him by the Secretary, his name may be struck off the register by the Council at any time afterwards, and he shall thereupon cease to have any rights as a Member, Associate Member, Graduate, or Associate, but he shall nevertheless continue liable to pay the arrears of subscription due at the time of his name being so struck off: provided always that this regulation shall not be construed to compel the Council to remove any name, if they shall be satisfied the same ought to be retained.
- 11. The Council may refuse to continue to receive the subscriptions of any person who shall have wilfully acted in contravention of the regulations of the Institution, or who shall in the opinion of the Council have been guilty of such conduct as shall have rendered him unfit to continue to belong to the Institution; and may remove his name from the register, and he shall thereupon cease to be a Member, Associate Member, Graduate, or Associate (as the case may be) of the Institution.

#### GENERAL MEETINGS.

- 12. The General Meetings shall consist of the Ordinary Meetings, the Annual General Meeting, and of Special Meetings as hereinafter defined.
- 13. The Annual General Meeting shall take place in London in one of the first four months of every year. The Ordinary Meetings shall take place at such times and places as the Council shall determine.
- 14. A Special Meeting may be convened at any time by the Council, and shall be convened by them whenever a requisition signed by twenty Members or Associate Members of the Institution

specifying the object of the Meeting, is left with the Secretary. If for fourteen days after the delivery of such requisition a Meeting be not convened in accordance therewith, the Requisitionists or any twenty Members or Associate Members of the Institution may convene a Special Meeting in accordance with the requisition. All Special Meetings shall be held in London.

- 15. Seven clear days' notice of every Meeting, specifying generally the nature of any special business to be transacted at any Meeting, shall be given to every person on the register of the Institution, except as provided by Article 35, and no other special business shall be transacted at such Meeting; but the non-receipt of such notice shall not invalidate the proceedings of such Meeting. No notice of the business to be transacted (other than such ballot lists as may be requisite in case of elections) shall be required in the absence of special business.
- 16. Special business shall include all business for transaction at a Special Meeting, and all business for transaction at every other Meeting, with the exception of the reading and confirmation of the Minutes of the previous Meeting, the election of Members, Associate Members, Graduates, and Associates, and the reading and discussion of communications as prescribed by the By-laws, or by any regulations of the Council made in accordance with the By-laws.

# PROCEEDINGS AT GENERAL MEETINGS.

- 17. Twenty Members or Associate Members shall constitute a quorum for the purpose of a Meeting other than a Special Meeting. Thirty Members or Associate Members shall constitute a quorum for the purpose of a Special Meeting.
- 18. If within thirty minutes after the time fixed for holding the Meeting a quorum is not present, the Meeting shall be dissolved, and all matters which might, if a quorum had been present, have been done at a Meeting (other than a Special Meeting) so dissolved, may forthwith be done on behalf of the Meeting by the Council.

- 19. The President shall be Chairman at every Meeting, and in his absence one of the Vice-Presidents; and in the absence of all Vice-Presidents a Member of Council shall take the chair; and if no Member of Council be present and willing to take the chair, the Meeting shall elect a Chairman.
- 20. The decision of a General Meeting shall be ascertained by show of hands, unless, after the show of hands, a poll is forthwith demanded; and by a poll, when a poll is thus demanded. The manner of taking a show of hands or a poll shall be in the discretion of the Chairman; and an entry in the Minutes, signed by the Chairman, shall be sufficient evidence of the decision of the General Meeting. Each Member and Associate Member shall have one vote and no more. In case of equality of votes the Chairman shall have a second or casting vote: provided that this Article shall not interfere with the provisions of the By-laws as to election by ballot.
- 21. The acceptance or rejection of votes by the Chairman shall be conclusive for the purpose of the decision of the matter in respect of which the votes are tendered: provided that the Chairman may review his decision at the same Meeting, if any error be then pointed out to him.

#### BY-LAWS.

22. The By-laws set forth in the schedule to these Articles, and such altered and additional By-laws as shall be substituted or added as hereinafter mentioned, shall regulate all matters by the Articles left to be prescribed by the By-laws and all matters which consistently with the Articles shall be made the subject of By-laws. Alterations in, and additions to, the By-laws may be made only by resolution of the Members and Associate Members at an Annual General Meeting, after notice of the proposed alteration or addition has been announced at the previous Ordinary Meeting, and not otherwise.

#### COUNCIL.

- 23. The Council of the Institution shall be chosen from the Members only, and shall consist of one President, six Vice-Presidents, twenty-one ordinary Members of Council, and of the Past-Presidents. The President, two Vice-Presidents, and seven Members of Council (other than Past-Presidents), shall retire at each Annual General Meeting, but shall be eligible for re-election. The Vice-Presidents and Members of Council to retire each year shall, unless the Council agree otherwise among themselves, be chosen from those who have been longest in office, and in eases of equal seniority shall be determined by ballot.
- 24. The election of a President, Vice-Presidents, and Members of Council, to supply the place of those retiring at the Annual General Meeting, shall be conducted in such manner as shall be prescribed by the By-laws from time to time in force, as provided by the Articles.
- 25. The Council may supply any casual vacancy in the Council (including any casual vacancy in the office of President) which shall occur between one Annual General Meeting and another; and the President, Vice-Presidents, or Members of Council so appointed by the Council shall retire at the succeeding Annual General Meeting Vacancies not filled up at any such Meeting shall be deemed to be casual vacancies within the meaning of this Article.

#### OFFICERS.

- 26. The Treasurer, Secretary, and other employés of the Institution shall be appointed and removed in the manner prescribed by the By-laws from time to time in force, as provided by the Articles. Subject to the express provisions of the By-laws, the officers and servants of the Institution shall be appointed and removed by the Council.
- 27. The powers and duties of the officers of the Institution shall, subject to any express provision in the By-laws, be determined by the Council.

#### POWERS AND PROCEDURE OF COUNCIL.

- 28. The Council may regulate their own procedure, and delegate any of their powers and discretions to any one or more of their body, and may determine their own quorum: if no other number is prescribed, three members of Council shall form a quorum.
- 29. The Council shall manage the property, proceedings, and affairs of the Institution, in accordance with the By-laws from time to time in force.
- 30. The Treasurer may, with the consent of the Council, invest in the name of the Institution any moneys not immediately required for the purposes of the Institution in or upon any of the following investments (that is to say):—
  - (A) The Public Funds, or Government Stocks of the United Kingdom, or of any Foreign or Colonial Government guaranteed by the Government of the United Kingdom.
  - (B) Real or Leasehold Securities, or in the purchase of real or leasehold properties in Great Britain or Ireland.
  - (c) Debentures, Debenture Stock, or Guaranteed or Preference Stock, of any Company incorporated by special Act of Parliament, the ordinary Shareholders whereof shall at the time of such investment be in actual receipt of halfyearly or yearly dividends.
  - (D) Stocks, Shares, Debentures, or Debenture Stock of any Railway, Canal, or other Company, the undertaking whereof is leased to any Railway Company at a fixed or fixed minimum rent.
  - (E) Stocks, Shares, or Debentures of any East Indian Railway or other Company, which shall receive a contribution from His Majesty's East Indian Government of a fixed annual percentage on their capital, or be guaranteed a fixed annual dividend by the same Government.

- (F) The security of rates levied by any corporate body empowered to borrow money on the security of rates, where such borrowing has been duly authorised by Act of Parliament.
- 31. The Council may, with the authority of a resolution of the Members and Associate Members in General Meeting, borrow moneys for the purposes of the Institution on the security of the property of the Institution, or otherwise at their discretion.
- 32. No act done by the Council, whether ultra vires or not, which shall receive the express or implied sanction of the Members and Associate Members in General Meeting, shall be afterwards impeached by any member of the Institution on any ground whatsoever, but shall be deemed to be an act of the Institution.

# NOTICES.

- 33. A notice may be served by the Council upon any Member, Associate Member, Graduate, Associate, or Honorary Life Member, either personally or by sending it through the post in a prepaid letter addressed to him at his registered place of abode.
- 34. Any notice, if served by post, shall be deemed to have been served at the time when the letter containing the same would be delivered in the ordinary course of the post; and in proving such service it shall be sufficient to prove that the letter containing the notice was properly addressed and put into the post office.
- 35. No Member, Associate Member, Graduate, Associate, or Honorary Life Member, not having a registered address within the United Kingdom, shall be entitled to any notice; and all proceedings may be had and taken without notice to such member, in the same manner as if he had had due notice.

# By-laws.

(Last Revision, February 1907.)

#### MEMBERS.

- 1. No Candidate shall be elected a Member, or be transferred into the class of Members, unless he is at least 30 years of age, and has produced evidence, to the satisfaction of the Council, either
  - I. That he-
    - (a) Has received a good general and scientific education;
    - (b) Has been regularly trained as a Mechanical Engineer; and
    - (c) Has been engaged for a sufficient period in an important position of independent responsibility in the direction of engineering work:
- Or II. That he-
  - (d) Has received a thorough scientific education;
  - (e) Has had sufficient practical experience as a Mechanical Engineer; and
  - (f) Has for a sufficient period held an important position of independent responsibility in connection with engineering work:
- Or III. That he-
  - (g) Has attained to a position of such eminence in the profession, or in the direction of engineering work, as to qualify him, in the opinion of the Council, for the distinction of Membership.

#### ASSOCIATE MEMBERS.

2. No Candidate shall be elected an Associate Member unless he is at least 25 years of age, and has produced evidence, to the satisfaction of the Council, either

# I. That he-

- (a) Has received a good general education;
- (b) Has been regularly trained as a Mechanical Engineer; and
- (c) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his application for Election:

# Or II. That he-

- (d) Has received a good general and scientific education;
- (e) Has had sufficient practical experience as a Mechanical Engineer; and
- (f) Has had subsequent employment for at least one year in a responsible position in the direction or design of engineering work, and is actually so engaged at the time of his application for Election.

#### GRADUATES.

3. Graduates shall be persons not under 18 years of age, who shall satisfy the Council that they have received a good general education, and have received, or are receiving, regular training as Mechanical Engineers, and that they have received, or intend to obtain, sufficient practical and scientific training to fit them for employment in responsible positions as Mechanical Engineers. No person shall be elected a Graduate after the age of 25 years.

Graduates may not continue as such if they cease to follow the profession of Engineering, nor in any case beyond the age of 28 years.

#### ASSOCIATES.

4. Associates shall be persons of at least 30 years of age, who not being Mechanical Engineers by profession, yet by reason of their attainments in science, or in any of the arts allied to, or having interests in common with, Engineering, may be deemed by the Council to be worthy of the distinction of Associateship.

# TRANSFERENCE.

5. At the discretion of the Council properly qualified Associate Members may on application be transferred to the class of Members, and properly qualified Associates may be transferred to the classes of Associate Members or Members.

# HONORARY LIFE MEMBERS.

6. The Council shall have the power to nominate as Honorary Life Members persons of eminent scientific attainments.

#### PRIVILEGES OF MEMBERSHIP.

- 7. The Members, Associate Members, Graduates, Associates, and Honorary Life Members shall have notice of, and the privilege to attend, all Meetings; but Members and Associate Members only shall be entitled to vote thereat.
- 8. The abbreviated distinctive Titles for indicating the connection with the Institution, of Members, Associate Members, Graduates, Associates, or Honorary Life Members thereof, shall be the following:—for Members, M. I. Mech. E.; for Associate Members, A. M. I. Mech. E.; for Graduates, G. I. Mech. E.; for Associates, A. I. Mech. E.; for Honorary Life Members, Hon. M. I. Mech. E.

9. Subject to such regulations as the Council may from time to time prescribe, any Member, Associate Member, or Associate may upon application to the Secretary obtain a Certificate of his membership or other connection with the Institution. Every such certificate shall remain the property of, and shall on demand be returned to, the Institution.

# ENTRANCE FEES AND SUBSCRIPTIONS.

- 10. Each Member shall pay an Annual Subscription of £3, and on election an Entrance Fee of £2.
- 11. Each Associate Member shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.
- 12. Each Graduate shall pay an Annual Subscription of £1 10s., but no Entrance Fee.
- 13. Each Associate shall pay an Annual Subscription of £2 10s., and on election an Entrance Fee of £1. If afterwards transferred by the Council to the class of Associate Members, he shall pay on transference no additional Subscription or Entrance Fee. If transferred direct to the class of Members, he shall pay on transference 10s. additional Subscription for the current year, and £1 additional Entrance Fee.
- 14. All Subscriptions shall be payable in advance, and shall become due on the 1st day of January in each year; and the first Subscription of each Member, Associate Member, Graduate, and Associate, shall date from the 1st day of January in the year of his election, and shall, except in the cases provided for by By-law 15, entitle him to the Proceedings published during that year.

- 15. In the case of each Member, Associate Member, Graduate, or Associate, elected in the last three months of any year, the first Subscription shall cover both the year of Election and the succeeding year, but shall only entitle the person elected to the Proceedings published after his Election.
- 16. Any Member, Associate Member, or Associate, whose Subscription is not in arrear, may at any time compound for his Subscription for the current and all future years by the payment of Fifty Pounds, if paid in any one of the first five years of his membership. If paid subsequently, the sum of Fifty Pounds shall be reduced by One Pound per annum for every year of membership after five years. All compositions shall be deemed to be capital moneys of the Institution.
- 17. No Proceedings or Ballot Lists or Certificates shall be sent to Members, Associate Members, Graduates, or Associates, who are in arrear with their Subscriptions more than twelve months, and whose Subscriptions have not been remitted by the Council as hereinafter provided. (By-law 18.)
- 18. The Council may at their discretion reduce or remit the Annual Subscription, or the arrears of Annual Subscription, of any Member or Associate Member who shall have been a subscribing member of the Institution for twenty years, and shall have become unable to continue the Annual Subscription provided by these By-laws.

# ELECTION OF MEMBERS, ASSOCIATE MEMBERS, GRADUATES, AND ASSOCIATES.

19. Every recommendation for Election shall be in accordance with Form A or Form B in the Appendix, and shall be forwarded to the Secretary, who shall lay it before the Council. The Form A must be signed by the Candidate and by not less than five Members or Associate Members, and the Form B by the Candidate and by not less than three Members or Associate Members.

- 20. All Elections shall take place by Ballot of the Members and Associate Members, four-fifths of the votes given being necessary for Election.
- 21. Every recommendation for Election shall be considered by the Council. The Ballot Lists shall contain only such names in each class as are approved by the Council for Election. Each List of approved Candidates shall be signed by the Chairman of the Council Meeting authorising its issue. The Ballot Lists shall be classified, and shall specify the name, occupation and address of each Candidate, and the names of his Proposer and Seconder; they shall be sent to Members and Associate Members only, and shall be opened by, or in the presence of, a Committee appointed for that purpose by the Council. The Committee shall report the result of the Ballot to the Council.
- 22. The result of each Ballot shall be declared at the next General Meeting.
- 23. When a Candidate is elected, the Secretary shall give him notice thereof according to Forms D or E in the Appendix; but his name shall not be added to the register of the Institution until he shall have paid his Entrance Fee and first Annual Subscription.
- 24. In case of non-Election, no mention thereof shall be made in the Minutes, nor any notice given to the unsuccessful Candidate.
- 25. An Associate Member desirous of being transferred to the class of Members, or an Associate to the class of Associate Members, or to that of Members, shall forward to the Secretary a recommendation according to Form C in the Appendix, signed by not less than five Members or Associate Members, which shall be laid before the Council. On their approval being given, the Secretary shall notify the same to the Candidate according to Form F; but his name shall not be added to the list of Members or Associate Members until he shall have paid the additional Entrance Fee (if any), and the additional Subscription (if any) for the current year.

# ELECTION OF PRESIDENT, VICE-PRESIDENTS, AND MEMBERS OF COUNCIL.

26. At the General Meeting preceding the Annual General Meeting, the Council are to present a list of Members nominated by them. Any Member or Associate Member shall then be entitled to add to the list of Candidates. A Ballot List of the proposed names shall be forwarded to each Member and Associate Member. The Ballot Lists shall be opened only on the day of the Annual General Meeting, in the presence of the Council, by a Committee appointed for that purpose.

# APPOINTMENT AND DUTIES OF OFFICERS.

- 27. The Treasurer shall be a Banker, and shall hold the uninvested funds of the Institution, except the moneys in the hands of the Secretary for current expenses. He shall be appointed, on the recommendation of the Council, by the Members and Associate Members at a General or Special Meeting, and shall hold office at the pleasure of the Council.
- 28. The Secretary of the Institution shall be appointed, on the recommendation of the Council, as and when a vacancy occurs, by the Members and Associate Members at a General or Special Meeting, and shall be removable by the Council upon six months' notice from any day. The Secretary shall give the same notice. The Secretary shall devote the whole of his time to the work of the Institution, and shall not engage in any other business or profession.
- 29. It shall be the duty of the Secretary, under the direction of the Council, to conduct the correspondence of the Institution; to attend all meetings of the Institution, and of the Council, and of Committees; to take minutes of the proceedings of such meetings; to read the minutes of the preceding meetings, and all communications

that he may be ordered to read; to superintend the publication of such Papers as the Council may direct; to have the charge of the Institution building and library; to direct the collection of the Subscriptions, and the preparation of the account of expenditure of the funds; and to present all accounts to the Council for inspection and approval. He shall also engage (subject to the approval of the Council), and be responsible for, all persons employed under him, and set them their portions of work and duties. He shall conduct the ordinary business of the Institution, in accordance with the Articles and By-laws and the directions of the President and Council; and shall refer to the President in any matters of difficulty or importance, requiring immediate decision.

30. The Auditor shall be a Fellow of the Institute of Chartered Accountants, and shall be appointed annually by the Members and Associate Members at a General or a Special Meeting, at a remuneration to be then fixed by the Members and Associate Members. The yearly Accounts, after being duly audited, shall be presented by the Council to the Annual General Meeting.

# MEETINGS.

- 31. Every Paper shall be submitted to the Council for approval, and after approval shall be read at a General Meeting, or shall be printed in the Proceedings without having been read at a General Meeting, as may be directed by the Council.
- 32. The proceedings at the General Meetings shall, as far as practicable, conform to the following order:—
  - 1st. The Chair shall be taken at such hour as the Council may direct.
  - 2nd. The Minutes of the previous Meeting shall be read by the Secretary, and, after being approved as correct, shall be signed by the Chairman,

- 3rd. The result of the examination of the Ballot Lists shall be declared to the Meeting, and the names of the Members, Associate Members, Graduates, and Associates elected shall be announced. Any Transferences made by the Council since the last Meeting shall also be announced.
- 4th. Papers approved by the Council shall be read by the Secretary, or by the Author, as may be directed by the Council.
- 33. Each Member or Associate Member shall have the privilege of introducing one friend to any of the General Meetings; but, during such portion of any Meeting as may be devoted to any business connected with the management of the Institution, visitors shall be requested by the Chairman to withdraw, if any Member or Associate Member asks that this shall be done.
- 34. Every Member, Associate Member, Graduate, Associate, or Visitor, shall write his name and residence in a book to be kept for the purpose, on entering each Meeting.
- 35. The discussion upon any Paper may be adjourned at the discretion of the Chairman.
- 36. Seven clear days' notice at least shall be given of every meeting of the Council. Such notice shall specify generally the business to be transacted by the meeting. No business involving the expenditure of the funds of the Institution (except by way of payment of current salaries and accounts) shall be transacted at any Council meeting unless specified in the notice convening the meeting.

#### MISCELLANEOUS.

- 37. The President shall ex officio be a member of all Committees of the Council.
- 38. All Communications to the Institution, unless declined, shall be the property of the Institution, and shall be published only by the authority of the Council,

- 39. None of the property of the Institution shall be taken out of the premises of the Institution without the consent of the Conneil.
- 40. All Donations to the Institution shall be enumerated in the Annual Report of the Council presented to the Annual General Meeting.
- 41. Advance copies of Papers to be read at the Meetings may be sent to members on application to the Secretary.
- 42. All Books, Drawings, Communications, etc., shall be accessible to the members of the Institution at all reasonable times.
- 43. Graduates and Associates elected prior to 1893 shall, notwithstanding anything in these By-laws contained, retain the

privileges set out in the By-laws as revised in January 1890.
APPENDIX.
FORM A.
(PROPOSAL AS MEMBER, ASSOCIATE MEMBER, OR ASSOCIATE.)
Name in full.
Designation or Occupation
Business Address
beingyears of age, and desirous of admission into The Institution of Mechanical Engineers, we, the undersigned proposer and seconder from our <i>personal knowledge</i> , and (at least) three other supporters, propose and recommend him as a proper person to belong to the Institution.  Witness our hands, thisday of
Five Members' or Associate Members' Signatures are required.
Proposed from personal knowledge by
Seconded from personal knowledge by
Supported from personal knowledge by
Supported from trustworthy information by
Those who sign this Form are desired to append their initials to the portions of the statement of which they have personal knowledge.

#### ENGAGEMENT.

I, the undersigned, do hereby agree that, in the event of my election as Member, Associate Member, or Associate, I will be governed by the regulations of The Institution of Mechanical Engineers as they are now formed or as they may hereafter be altered; that I will advance the objects of the Institution as far as shall be in my power, and will attend the Meetings thereof as often as I conveniently can: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate.....

	* Initials of Supporters.
Date and Place of Birth	******
General Education (with dates)	•••••
Technical Education (with dates, subjects taken, and successes gained)	
Apprenticeship (with dates, and particulars of training received)	
Subsequent Career (with dates, and positions held)	
Brief Details of most important Mechanical Engineering work for which Candidate has been personally responsible	
Membership in other Societies	
Signature of Candidate	

\* Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

# FORM B.

# (PROPOSAL AS GRADUATE.)

Name in full
Designation or Occupation.
Business Address.
Address for communications
beingyears of age, and desirous of becoming a Graduate of The Institution of Mechanical Engineers, we, the undersigned proposer
and seconder from our personal knowledge, and the other signer or signers
from trustworthy information, propose and recommend him as a proper
person to become a Graduate thereof.
Witness our hands, thisday of
Three Members' or Associate Members' Signatures are required.
Proposed from personal knowledge by
Seconded from personal knowledge by
Supported by
Date and Place of Birth
General Education (with dates)
Technical Education (with dates, subjects taken, and successes gained)
Apprenticeship (with dates, and particulars of training received)
Subsequent Career (with dates, and positions held)
••••••••••••••••••••••••••••••••••••••
Signature of Candidate.
Signature of Canasame
CA CONTRACTOR OF THE PARTY OF T

I, the undersigned, do hereby agree that in the event of my election I will be governed during my Graduateship by the regulations of The Institution of Mechanical Engineers, as they are now formed or as they may hereafter be altered: provided that, whenever I shall signify in writing to the Secretary that I am desirous of withdrawing from the Institution, I shall (after the payment of any arrears which may be due by me at that period) be free from this obligation.

Signature of Candidate.....

#### FORM C.

# (PROPOSAL FOR TRANSFERENCE.)

Name in full		
Designation or Occupation		
Business Address		
beingyears of age, and desirous of being transferred into the class		
ofof The Institution of Mechanical Engineers, we, the		
undersigned, from our personal knowledge, recommend him as a proper		
person to be so transferred by the Council.  Witness our hands, thisday of		
Five Members' or Associate Members' Signatures are required, from		
personal knowledge.		
(Members of the Council do not sign this form.)		
Proposed by		
Seconded by		
Mineral and the state of the st		
Those who sign this Form are desired to append their initials to the portions of the statement of which they have personal knowledge.		
* Initials of		
Supporters.		
Qualifications (since joining the Institution)		
Signature of Candidate		

\* Members supporting this proposal are requested to place their initials against those particulars of the Candidate's career of which they have personal knowledge.

# FORM D.

> I am, Sir, Your obedient servant, Secretary.

#### FORM E.

I am, Sir, Your obedient servant,
Secretary.

# FORM F.

I am, Sir, Your obedient servant, Secretary.



